

120 Years OF TRADITION AND PASSION





Berlebach & Mildner

MULDA i. Sa.

Telephon:

Amt Mulda Nr. 1.

Telegr.:

Berlebach, Mulda.

Special - Fabrik für

Copirrahmen, Trockenständer, Statife,

Retouchirspiegel und sonstige

Holzbedarfsartikel.

Vertreter für Hamburg und Export:

Adolf Schauenburg, Hamburg I

Kl. Rosenstr. 17.

Fernsprecher: Amt I, 674.



Preisliste



No. 8.

Otto Berlebach Nachf.,

Mulda i. Sa.

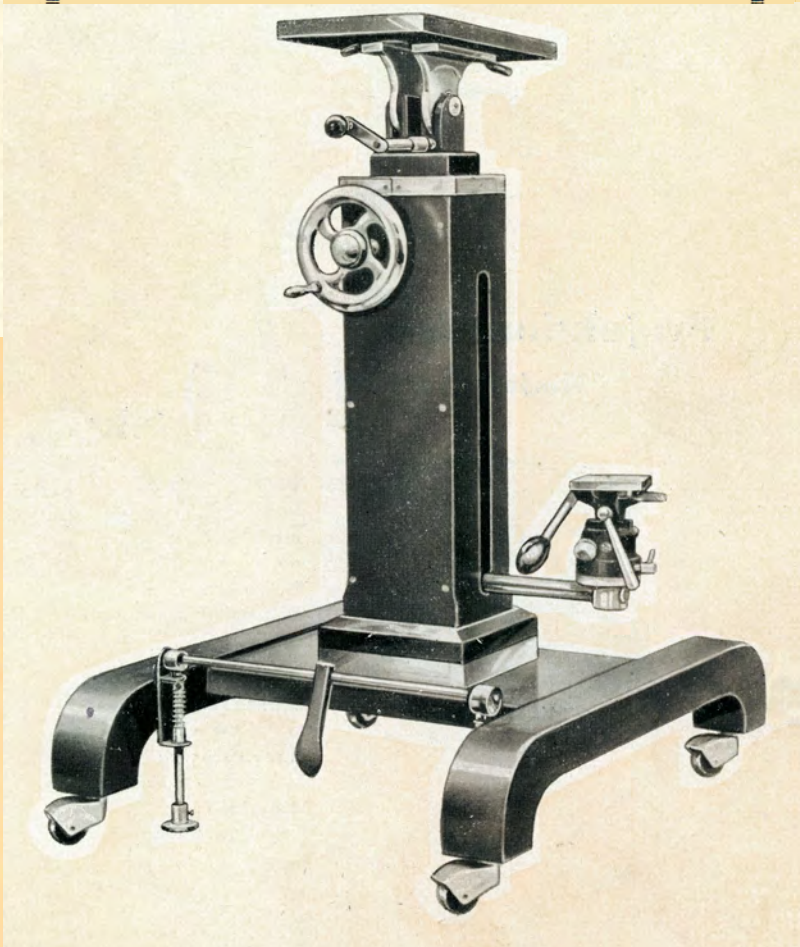
Größte Spezialfabrik

für

Kopierrahmen und Statife,

Trockenständer etc.

1908



TRADITION AND INNOVATION

- 1898

Founding year of Otto Berlebach. The company specialises in the manufacture of photography accessories. Mainly, copying frames, drying stands, tripods, retouching mirrors and card presses are manufactured.

- 1938

Start of the production of travel cameras made of genuine mahogany wood Production of storage boxes and cabinets for photographic paper, special tripods for cinema projectors, projection tables of various sizes, all-metal trimming machines, pan and tilt heads, ball joints

- 1950

Specialisation in the manufacture of tripods (travel and studio tripods) as well as 2 and 3-way pan heads Production of storage containers for slides Supply to all Eastern block countries and export to some capitalist countries in the West such as the Federal Republic of Germany, England and Holland

- 1952

World's first quick-release system for cameras with the patented ¼" and 3/8" drop screws

- 1968

Award of the Gold Medal at the international Leipzig Trade Fair for innovative, top-notch products

- 1972

Forced nationalisation according to GDR (German Democratic Republic) state government resolution Regulation under planned economy led to a far-reaching stagnation in the company's development.

High export share to all socialist states as well as to some capitalist countries at low prices to raise foreign exchange

- 1990

The GDR joins the Federal Republic of Germany

Change of the corporate form to a Limited Liability Company with 100% trust share

- 1993

Privatisation by former Technical Manager, Wolfgang Fleischer Company renamed as "Berlebach Stativtechnik".

- 1999

DIN EN ISO 9002 certification

- 2002

Development and production of special tripods for the field of astronomy

- 2006

Development and production of composite tripods made of wood and carbon

- 2007

General equipment of the 7-star luxury hotel "Burj al Arab" in Dubai with tripods

- 2010

Development and manufacture of the multifunctional tripod head series 552/652, based on a modular system

- 2013

The Report tripod series is manufactured on the basis of a modular concept The tripod can currently be custom-configured with 14 modules depending on requirements.

- 2016

Development and production of the patented "Speedy" camera holding system.



WHY WOODEN TRIPODS? WHY ASH WOOD?

Oscillations and vibrations occur ubiquitously in almost every photographer's working environment.

The decisive factor is whether the photographer's work equipment, the tripod can dampen these vibrations or ends up amplifying and transmitting them to the camera in some cases.

The material and the number of extensions of a tripod leg play a crucial role here. The following applies to the extensions: the higher the number of extensions, lower the stability.

The material should be able to absorb and reduce vibrations. Wood is the closest thing to this ideal case. There are soft and hard types of wood and not all are suitable for tripod construction. Among other things, weight, ultimate strength, environmental resistance and processing must be taken into account here. We find these properties in the ash wood species.

The criteria below should also be taken into account when deciding to buy a tripod.



STURDY

External influences such as sun and rain, sand and water do not pose any problems for Berlebach tripods.

WORK ENVIRONMENT

Even in direct sunlight or extreme cold, the tripod legs can safely be touched.

ANTISTATIC

Wood is an electric non-conductor. Harmful effects of electromagnetic fields and electrostatic charges do not occur.

BEST MATERIALS

Only ash wood of best quality (ash wood for sports goods) and high-quality fittings are used for the production.

ENVIRONMENT-FRIENDLY

95 % of the raw materials used are renewable and are 100% recyclable.

QUALITY

MADE IN GERMANY

Production according to quality management standards
DIN EN ISO 9001:2015

LONG-LASTING

Berlebach ash wood tripods are very durable. We offer a 10-year guarantee on every tripod.

ELEGANT LOOK

Our tripods distinguish themselves by functionality, ergonomics, aesthetics, design and practicality.



10 years guaranty

THE ADEQUATE TRIPOD – ALWAYS WITH YOU.

WITH THE REPORT MODULE SYSTEM



ONE TRIPOD, 14 MODULES COUNTLESS POSSIBILITIES

It is possible at any time to equip quick and uncomplicated the tripod alternately with the pictured modules. The counter nut is tightened by means of a special wrench, so that modules sit firmly inside the cone.

14 ARGUMENTS TO YOUR PERSONAL TRIPOD.

3 SIMPLE STEPS TO CHANGE THE INSERT MODULE

1



Spread the legs till 40 degree and loosen nut with special wrench

2



Extract module and insert new module

3



Screw on the nut and lock with the special wrench

After the big success of our multi precision tilt head in modular construction, now also our Report Tripod System is available in modular construction.

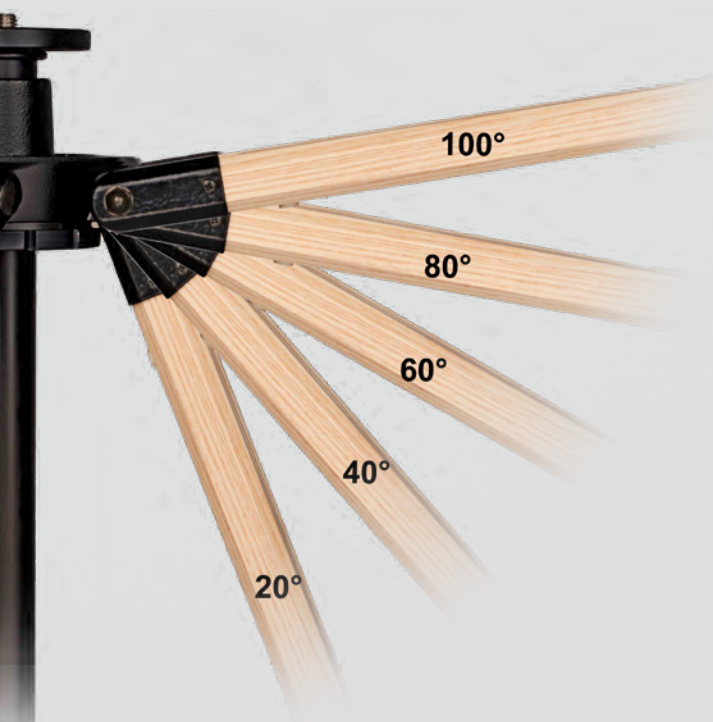
The featherweight mounting head made of magnesium is the base for 10 different modules at the same time.

It is possible at any time to provide the tripod alternately with the modules shown below. The nut that is located below the mounting head can be loosened with a special wrench, the respective insert can be extracted, and the desired new module can be inserted and be fastened again with the nut. The special wrench is supplied when you buy a module.

In case your requirement profile changes, you are flexible tanks to the possibility to change the modules. The fixation inside the cone ensures a form-fitting, backlash-free connection of the components.

Currently, the mounting head can be completed with 10 different modules (see figure) and so it offers a very large range of application possibilities.

THE STOP POSITION SYSTEM FOR THE TRIPOD LEGS



Thanks to the newly designed mounting head of the tripod we were able to develop a five-step snap-in system which is much more stable. Three hard-anodised snap-in elements provide optimum support in every spread angle.

With the new stop position system, five different spread angles of approx. 20° to approx. 100° can be adjusted with a wing catch. The stop position system is designed so that the specified strains of the tripods are ensured also during maximum inclination of the tripod legs.



MODULE 0

0 - FLAT PLATE

The module insert ·0· is the simplest and lowest-price tripod variant. It is equipped with a stationary fastening screw. In combination with Berlebach tripod head, it is usable for a wide variety of applications. Perfect for work near the ground.

The diameter of the supporting surface is 65 mm / 2.5 in.

Report		#					
	102	12000	cm/in	cm/in	cm/in	kg/lb	kg/lb
	202	12001	58/ 23	4/ 1.5	89/ 35	2,0/ 4.5	18/ 40
	302	12002	72/ 28	4/ 1.5	115/ 45	2,5/ 5.5	15/ 33
	402	12003	85/ 34	4/ 1.5	139/ 55	2,8/ 6.2	12/ 26
			98/ 39	4/ 1.5	163/ 64	3,2/ 7	10/ 22
	703	22000	48/ 19	4/ 1.5	87/ 34	1,9/ 4	12/ 26
	803	22001	64/ 25	4/ 1.5	131/ 52	2,3/ 5	10/ 22
	903	22002	72/ 28	4/ 1.5	154/ 60	2,6/ 5.8	8/ 18

MODULE 1

1 - FLAT PLATE
WITH SPRING SUPPORTED
FASTENING SCREW

The module insert **1** is similar, but it has got a spring supported fastening screw. It is suitable for the simple mounting of heavy heads or devices. The head is put on and is connected to the tripod by turning the screw. *Please specify when ordering if connection thread 1/4" or 3/8".*

The diameter of the supporting surface is 65 mm / 2.5 in.

Report	#						
		cm/in	cm/in	cm/in	kg/lb	kg/lb	
	112	12010	58/22	8/3	89/35	2,1/ 4.5	18/40
	212	12011	72/28	8/3	115/45	2,5/ 5.5	15/33
	312	12012	85/33	8/3	139/55	2,9/ 6	12/26
	412	12013	98/38	8/3	163/ 64	3,3/ 7	10/ 22
	713	22010	48/ 19	8/ 3	87/ 34	2,0/ 4.4	12/ 26
	813	22011	64/ 25	8/ 3	131/ 51	2,4/ 5	10/ 22
	913	22012	72/ 28	8/ 3	154/ 60	2,7/ 6	8/ 17.5



2 - CENTRE COLUMN

The module insert 2 is equipped with a 50 cm long centre column with Ø 25 mm, made of precision wrought light-metal tubing, which allows a comfortable height adjustment. Each column is introduced accurately fitting in each tripod, in order to keep the tolerances as low as possible. The module insert 2 is also available with a firmly fixed rotating panorama plate, having the model designation 2/P.

The support plate made of aluminium has a diameter of 68 mm / 2.7 in and is equipped with 3 safety screws, with which the mounted technology can be secured against unintentional release.

The centre column can be used for work near the ground when it is turned over, or you use the centre column with a length of 10 cm. *Please specify when ordering if connection thread 1/4" or 3/8".*

MODULE 2



MODULE 2/P*

with attached rotating
panorama plate



Hook is standard for all
centre columns

Report	#						
		cm/in	cm/in	cm/in	cm/in	kg/lb	kg/lb
	122 · 122/K/P	12040 · 13040	62/24.4	53/20.9	92/36.2	133/52.4	2.4/5.3
	222 · 222/K/P	12041 · 13041	76/29.9	53/20.9	118/46.5	159/62.6	2.8/6.2
	322 · 322/K/P	12042 · 13042	89/35	53/20.9	143/56.3	184/72.4	3.1/6.8
	422 · 422/K/P	12043 · 13043	102/40.2	53/20.9	166/65.4	207/81.5	3.6/7.9
	723 · 723/K/P	22040 · 23040	52/20.5	53/20.9	91/35.8	132/52	2.2/4.9
	823 · 823/K/P	22041 · 23041	68/26.8	53/20.9	135/53.1	179/70.3	2.6/5.7
	923 · 923/K/P	22042 · 23042	76/29.9	53/20.9	158/62.2	199/78.3	2.9/6.4

*Please note: Models with integrated rotating panorama plate (/P) are 2 cm/0.8 in higher and the weight increases by 100g/0.22 lb.

**Please note: Models with geared column (/K) are 2 cm/0.8 in higher and the weight increases by 350g/0.22 lb.

/K - GEARED COLUMN



Module insert 2 or 4 is also available in a version with geared column. The height of the 50-cm-long helical toothed centre column can be easily adjusted via a crank (adjustment range 41 cm). The helical toothing acts as an automatic column brake and guarantees safe working.

It can also be combined with a fixed panoramic rotary plate with the model name /K/P.

The aluminium support plate has a diameter of 68 mm and is equipped with 3 locking screws with which the mounted technology can be secured against unintentional loosening. The centre column can be used upside down for working on ground level.

In both modules, combination with a fixed panoramic rotary plate with the model names 2/K/P or 4/K/P is possible.

Please specify the connection thread 1/4" or 3/8" when ordering.

Models with geared column (/K) are 2 cm higher and 350 g heavier than models with sliding column.



Module 3



Module 3/P

with attached rotating panorama plate

3 - LEVELLING BALL

The module insert ·3· has got a firmly installed levelling ball with Ø 55 mm / 2.2 in and circular bubble. In this way, a quick and exact alignment of the tripod is possible. The swivel range is 30° in all directions. The supporting surface is 55 mm / 2.2 in. The camera or tilt head fixation is effected by means of a spring supported tightening spindle. This module insert is particularly recommended for heavy equipment, because one can also work with the integrated ball without an additional tilt head in some cases. The objective or the camera respectively is fixed directly onto the tripod. This is the most stable and most secure way to mount your camera, because there is only one junction between tripod and camera. The module insert 3 is also available with a firmly fixed rotating panorama plate, having the model designation 3/P.

Report	#					
		cm/in	cm/in	cm/in	kg/lb	kg/lb
132 · 132/P	12030 · 13030	62/ 24	8/ 3.1	92/ 36	2,4/ 5.2	18/ 40
232 · 232/P	12031 · 13031	76/ 30	8/ 3.1	118/ 46	2,8/ 6.1	15/ 33
332 · 332/P	12032 · 13032	89/ 35	8/ 3.1	143/ 56	3,2/ 7.2	12/ 26
432 · 432/P	12033 · 13033	102/ 40	8/ 3.1	166/ 65	3,5/ 7.7	10/ 22
733 · 733/P	22030 · 23030	52/ 20	8/ 3.1	91/ 35.7	2,3/ 5	12/ 26
833 · 833/P	22031 · 23031	68/ 26	8/ 3.1	135/ 53	2,7/ 5.9	10/ 22
933 · 933/P	22032 · 23032	76/ 29	8/ 3.1	157/ 62	3,0/ 6.5	8/ 17.6

Please specify when ordering if connection thread 1/4" or 3/8".

* Please note: Models with integrated rotating panorama plate (P) are 1 cm / 0.4 inch higher and the weight increases by 100 g / 0.22 lb!



Module 4/P*

with attached rotating panorama plate

Module 4



Module 4/K**

with geared column

4 CENTRE COLUMN WITH LEVELLING

The module insert ·4· unites the modules 2 and 3, because here, a centre column is integrated in a levelling ball. Here, too, the 50 cm long centre column with Ø 25 mm / 1 in is made of precision wrought light-metal tubing, so that a comfortable height adjustment is possible. The columns are introduced accurately fitting into the tripods, in order to keep the tolerances as low as possible. The module insert 4 is also available with a firmly fixed rotating panorama plate, having the model designation 4/P.

The support plate made of aluminium has a diameter of 68 mm and is equipped with 3 safety screws, with which the mounted technology can be secured against unintentional release. The centre column can be used for work near the ground when it is turned over, or you use the centre column with a length of 10 cm / 3.9 in. Furthermore, the column can be tilted by 30° in every direction. Thanks to the spirit level inside the ball, a quick and exact adjustment is possible.

Report	#					
		cm/in	cm/in	cm/in	cm/in	kg/lb
142 · (K/P)	12040 · (K/P)	65/ 25	53/ 21	95/ 37.5	137/ 54	2,6/ 5.8
242 · (K/P)	12041 · (K/P)	79/ 31	53/ 21	121/ 48	163/ 64	3,0/ 6.7
342 · (K/P)	12042 · (K/P)	92/ 36	53/ 21	146/ 57	187/ 73	3,4/ 7.5
442 · (K/P)	12043 · (K/P)	105/ 41	53/ 21	170/ 67	211/ 83	3,8/ 8.3
743 · (K/P)	22040 · (K/P)	55/ 22	53/ 21	94/ 37	135/ 53	2,5/ 5.5
843 · (K/P)	22041 · (K/P)	71/ 28	53/ 21	138/ 54	179/ 70	2,9/ 6.4
943 · (K/P)	22042 · (K/P)	79/ 31	53/ 21	161/ 63	202/ 80	3,2/ 7.1

Hook is standard for all centre columns

* Please note: Models with integrated rotating panorama plate (P) are 2 cm / 0.8 inch higher and the weight increases by 100 g / 0.22 lb!

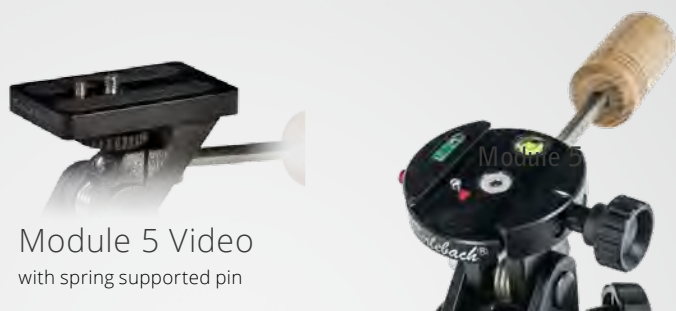
**Please note: Models with geared column (K) are 2 cm/0.8 in higher and the weight increases by 350g/0.22 lb.

5- 2-WAY TILT HEAD

The module insert ·5· has a 2-way tilt head. In this way, an unsurpassed stability is reached, since the tilt head is firmly connected to the module insert.

Here, you can choose between the photo head model 520 with a camera retaining screw that is movable lengthways by 25 mm / 1 in , or the video head model 520 Video with spring supported video pin (serving as anti-twist protection for video cameras, spotting scope or objectives).

Detailed information about the integrated tilt head 520 can be found in the catalogue or in the Internet. The connection thread of the tilt head 520 or the tilt head 520 Video is 1/4", when desired 3/8" (please specify when ordering).



Module 5 Video
with spring supported pin

Module 5/520-130
with integrated
Quick-release coupling



Report

#

cm / in

cm / in

cm / in

kg / lb

kg / lb

152 · 152 Video	12050 · 12060	66/ 26	12/ 4.5	96/ 38	2,5/ 5.4	5/ 11
252 · 252 Video	12051 · 12061	80/ 31	12/ 4.5	122/ 48	2,9/ 6.3	5/ 11
352 · 352 Video	12052 · 12062	93/ 36	12/ 4.5	147/ 58	3,2/ 7.1	5/ 11
452 · 452 Video	12053 · 12063	106/ 41	12/ 4.5	170/ 67	3,6/ 8	5/ 11
753 · 753 Video	22050 · 22060	56/ 22	12/ 4.5	95/ 37	2,3/ 5	5/ 11
853 · 853 Video	22051 · 22061	71/ 28	12/ 4.5	139/ 54	2,7/ 6	5/ 11
953 · 953 Video	22052 · 22062	79/ 31	12/ 4.5	162/ 63	3,0/ 6.7	5/ 11

* Please note: Models with spring supported pin (Video) are 5 mm / 0.2 inch higher and the weight increases by 40 g / 0.1 lb!



6-LEVELLING BOWL

The module insert ·6· has got a half-shell with a diameter of 75 mm / 3 in for the direct insertion of professional video tilt heads or of a levelling unit (available as accessory, see figure).

By inserting the levelling unit into the half-shell, a swivel range of 15° in every direction is possible. In this way, a quick and exact alignment of the tripod is reached. The fixation of the levelling unit is effected using the 80 mm / 3 in long wooden handle or the star handle. (see photo on the left)



mounted module insert 6
with levelling unit

*The levelling unit
is not included in the delivery.*

Report

#

cm / in

cm / in

cm / in

kg / lb

kg / lb

162	12360/75	58/ 23	13/ 5	89/ 35	2,2/ 4.8	18/ 40
262	12361/75	72/ 28	13/ 5	115/ 45	2,6/ 5.7	15/ 33
362	12362/75	85/ 33	13/ 5	139/ 55	3,0/ 6.5	12/ 26
462	12363/75	98/ 38	13/ 5	163/ 64	3,3/ 7.4	10/ 22
763	22360/75	49/ 19	13/ 5	87/ 34	2,1/ 4.6	12/ 26
863	22361/75	64/ 25	13/ 5	131/ 52	2,5/ 5.5	10/ 22
963	22362/75	72/ 28	13/ 5	154/ 61	2,8/ 6	8/ 15

Levelling unit Ø 75 mm / 3 in
with wooden handle

51010

Levelling unit Ø 75 mm / 3 in
with star handle

51010SG



UNI 17C

MONKEY GRIP

Clamp adapter on Tripod legs for mountable accessories see page 19



Metal clamps are provided with an eyelet, in which you can attach a steel chain oder tray bag (see page 22) when required.

SNAP-IN SYSTEM

All UNI tripods can be equipped with a stop position system for the tripod leg bracing. A "C" is added to the model number.

Thanks to this system, the tripod legs can be braced in angles of 20°, 35°, 55° and 80°.

In order to adjust the tripod leg, unload it and move the lever to the desired position.



Exchange foot tips are standard for all UNI tripods

Spike optionally available



#100420

The Berlebach tripod system UNI had been developed especially for professionals. Strong leg segments made of precious sport ash, in connection with precision-made metal elements ensure the characteristics required by professional users: stability, absence of vibration and a universal field of applications. This tripod system is suitable for cameras of all sizes as well as for telephoto lenses and is applicable in studios as well as in nature, geodesy,

industry, astronomy and technology. The mounting heads of the UNI series can be exchanged with each other. Our three leg segment UNI models are made for photographers who appreciate a short transport length and nevertheless want to work at eye level. The transport length varies between 70 and 79 cm, depending on the mounting head.



Two leg segments



Three leg segments



UNI 2 · UNI 2C
UNI 4 · UNI 4C
UNI 6 · UNI 6C
UNI 7 · UNI 7C
UNI 9 · UNI 9C

UNI 12 · UNI 12C
UNI 14 · UNI 14C
UNI 16 · UNI 16C
UNI 17 · UNI 17C
UNI 19 · UNI 19C

UNI 22 · UNI 22C
UNI 24 · UNI 24C
UNI 26 · UNI 26C
UNI 27 · UNI 27C
UNI 29 · UNI 29C

UNI 82 · UNI 82C
UNI 84 · UNI 84C
UNI 86 · UNI 86C
UNI 87 · UNI 87C
UNI 89 · UNI 89C

MOUNTING HEADS

MH · 2



MH · 4



MH · 6



MH · 7



MH · 9



LEG LENGTH

1

+

MOUNTING HEAD

7

+

SNAP-IN-SYSTEM

C

= UNI 17C

NAMING SAMPLE





2 - LEVELLING BOWL

The UNI tripods ·2 are suitable for the direct receiving of professional video tilt heads with a ball diameter of 75 mm or 100 mm. Alternatively, also our adequate levelling units with diameters of 75 mm and 100 mm can be applied of course, which dispose of a classic connection possibility with a 1/4" or 3/8" screw.

The levelling range of these tripods is 15°. They are clamped by turning the handle below the levelling unit.

THE LEVELLING UNIT IS NOT INCLUDED
IN THE DELIVERY.



Levelling unit with wooden handle
Ø 75 mm / 2.9 in Item no. 51010
Ø 100 mm / 3.9 in Item no. 51012



with star handle
Ø 75 mm / 2.9 in Item no. 51010SG
Ø 100 mm / 3.9 in Item no. 51012SG

MOD.	#						
		cm/in	cm/in	cm/in	kg/lb	kg/lb	
UNI 2	12320	63/24.8	17/6.7	80/31.5	4.2/9.3	30/66	
UNI 12	12321	90/35.4	17/6.7	132/52	5.8/12.8	25/55	
UNI 22	12322	105/41.3	17/6.7	164/64.6	6.4/14.1	20/44	
UNI 2C	12320C	63/24.8	19/7.5	80/31.5	4.5/9.1	30/66	
UNI 12C	12321C	90/35.4	25/9.8	132/52	6.1/13.4	25/55	
UNI 22C	12322C	105/41.3	29/11.4	164/64.6	6.7/14.8	20/44	
UNI 82	100400	70/27.6	17/6.7	139/54.7	4.8/10.6	20/44	
UNI 82C	100400C	70/27.6	21/8.3	139/54.7	5.1/11.2	20/44	

4 - FLAT PLATE

UNI tripods of the model series ·4 have got a light-metal mounting head with Ø 160 mm / 6.3 in and spring supported tightening spindle. This simple variant of the mounting head is particularly suitable for big ball heads or for price-orientated customers, who level their tripod via the leg segments.

We adapt the thread size to your wishes (standard: 3/8").



MOD.	#						
		cm/in	cm/in	cm/in	kg/lb	kg/lb	
UNI 4	11010	63/24.8	13/5.1	84/33.1	5.0/11	60/130	
UNI 14	11060	89/35	13/5.1	130/51.2	6.2/13.7	55/120	
UNI 24	11061	103/40.6	13/5.1	163/64.2	7.3/16.1	50/110	
UNI 4C	11010C	63/24.8	19/7.5	84/33.1	5.3/11.7	60/130	
UNI 14C	11060C	89/35	25/9.8	130/51.2	6.5/14.3	55/120	
UNI 24C	11061C	103/40.6	29/11.4	163/64.2	7.6/16.8	50/110	
UNI 84	100401	70/27.6	13/5.1	139/54.7	5.5/12.1	30/66	
UNI 84C	100401C	70/27.6	21/8.3	139/54.7	5.8/12.8	30/66	



6 - INTEGRATED BALL HEAD

UNI tripods of the model series ·6 have got a light-metal mounting head with levelling ball Ø 100 mm / 3.9 in and circular bubble as well as a spring supported tightening spindle.

The levelling range of these tripods is 30°; the diameter of the supporting surface is 100 mm. The easiness or heaviness of the ball can be adjusted by means of a friction screw.

Thanks to the large swivel range, this tripod is particularly suitable also for the direct mounting of objectives with large focal lengths. So, one has an extremely stable construction, additional weak points are avoided and one is nevertheless flexible when working with the camera.



The ball clamping gets a maximum stability thanks to the enclosed mounting head, so that excellent pictures are possible also under difficult circumstances.

MOD.	#						
		cm/in	cm/in	cm/in	kg/lb	kg/lb	
	UNI 6	11030	68/26.8	13/5.1	88/34.6	5.5/12.1	40/88
	UNI 16	11080	94/37	13/5.1	136/53.5	6.7/14.8	35/77
	UNI 26	11081	111/43.7	13/5.1	167/65.7	7.8/17.2	30/66
	UNI 6C	11030C	68/26.8	24/9.4	88/34.6	5.8/12.8	40/88
	UNI 16C	11080C	94/37	29/11.4	136/53.5	7.0/15.4	35/77
	UNI 26C	11081C	111/43.7	34/13.4	167/65.7	8.1/17.9	30/66
	UNI 86	100402	74/29.1	13/5.1	143/29.1	5.8/12.8	30/66
	UNI 86C	100402C	74/29.1	21/11.4	143/29.1	6.1/13.4	30/66

7 - CENTRE COLUMN WITH LEVELLING

UNI tripods of the model series ·7 have a light-metal mounting head with levelling ball Ø 100 mm / 3.9 in as well as a ball centre column Ø 40 mm / 1.6 in. The levelling range of these tripods is 30°; the diameter of the supporting surface is 89 mm / 3.5 in. The easiness or heaviness of the ball can be adjusted by means of a friction screw.

The centre column has got a length of 50 cm / 20 in (adjustment range 37 cm / 14.6 in). It is equipped with a helical gearing, that acts as an automatic column brake. These tripods are particularly suitable for observers and photographers, who often change the height of their camera or spotting scope and have to level the tripod quickly. This is possible in a quick and safe way thanks to the crank column and the large ball.

MOD.	#						
		cm/in	cm/in	cm/in	cm/in	kg/lb	kg/lb
	UNI 7	11040	73/28.7	53/20.9	131/51.6	94/37	6.3/13.9
	UNI 17	11090	99/39	53/20.9	181/71.3	144/56.7	7.5/16.5
	UNI 27	11091	116/54.7	53/20.9	212/83.5	175/68.9	8.6/19.0
	UNI 7C	11040C	73/28.7	53/20.9	131/51.6	94/37	6.6/14.6
	UNI 17C	11090C	99/39	53/20.9	181/71.3	144/56.7	7.8/17.2
	UNI 27C	11091C	116/54.7	53/20.9	212/83.5	175/68.9	8.9/19.6
	UNI 87	100403	79/31.1	53/20.9	188/74	151/59.4	6.8/15
	UNI 87C	100403C	79/31.1	53/20.9	188/74	151/59.4	7.0/15.4





UNI tripods of the model series •9 have a light-metal mounting head with crank centre column Ø 40 mm / 1.6 in. The diameter of the supporting surface is 89 mm / 3.5 in. The central column has a length of 50 cm (adjustment range 37 cm). It is equipped with a helical gearing, that acts as an automatic column brake.

These tripods are particularly suitable for observers and photographers, who often have to change the height of their camera or spotting scope. This is possible in a quick and safe way thanks to the crank column and the large ball.

We adapt the thread size to your wishes (standard: 3/8").

MOD.	#						
		cm / in	cm / in	cm / in	cm / in	kg / lb	kg / lb
UNI 9	11042	71 / 28	53 / 20.9	129 / 50.8	92 / 36.2	5.6 / 12.3	20 / 44
UNI 19	11092	97 / 38.2	53 / 20.9	179 / 70.5	142 / 55.9	6.8 / 15	20 / 44
UNI 29	11093	116 / 45.7	53 / 20.9	210 / 82.7	173 / 68.1	7.9 / 17.4	20 / 44
UNI 9C	11042C	71 / 28	53 / 20.9	129 / 50.8	92 / 36.2	5.9 / 13	20 / 44
UNI 19C	11092C	97 / 38.2	53 / 20.9	179 / 70.5	142 / 55.9	7.1 / 15.7	20 / 44
UNI 29C	11093C	116 / 45.7	53 / 20.9	210 / 82.7	173 / 68.1	8.2 / 18.1	20 / 44
UNI 89	100404	77 / 30.3	53 / 20.9	186 / 73.2	149 / 58.7	6.1 / 13.4	15 / 33
UNI 89C	100404C	77 / 30.3	53 / 20.9	186 / 73.2	149 / 58.7	6.4 / 14.1	15 / 33

THE MATCHING TRIPOD HEADS FOR SYSTEM UNI CAN BE FOUND ON PAGE 33-35.



THE CAMOUFLAGE TRIPOD



Exchange foot tips are standard for all UNI tripods

Spike optionally available



#100420



80 mm
3.1 in

Levelling unit with wooden or star handle
75 mm / 3.0 in: Item no. 51010SG
75 mm / 3.0 in: Item no. 51010



Levelling unit with wooden or star handle
100 mm / 3.9 in: Item no. 51012SG
100 mm / 3.9 in: Item no. 51012



73 cm
28.7 in



22 cm
8.7 in



101 cm
39.8 in



5.0 kg / 11 lb



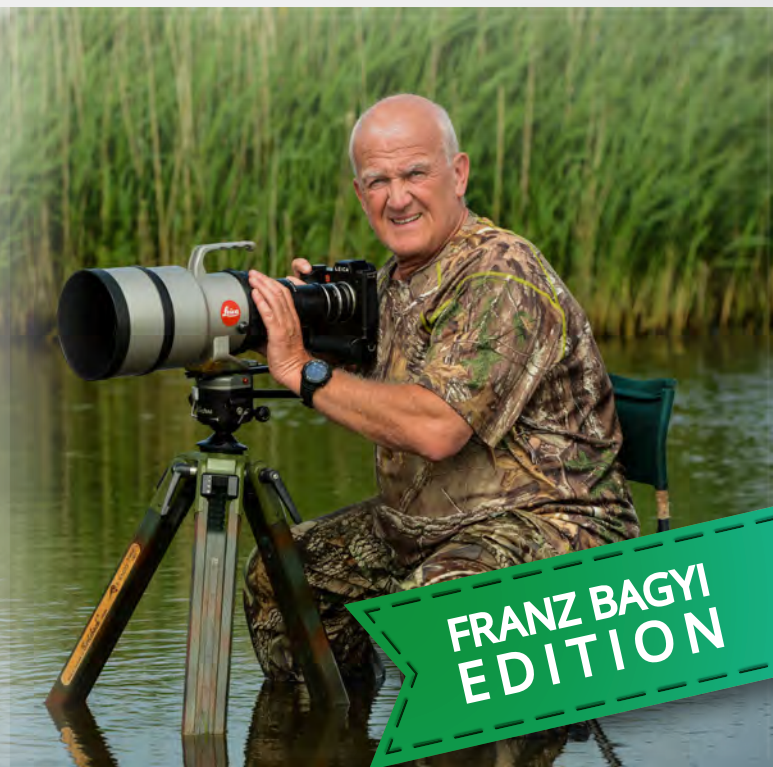
50 kg / 110 lb



100100
Camouflage tripod
for levelling unit 100 mm / 3.9 in



100075
Camouflage tripod
for levelling unit 75 mm / 3.0 in



**FRANZ BAGYI
EDITION**

FRANZ BAGYI

This tripod is ideal for cameras of all formats as well as for heavy telephoto lenses. The height of the tripod is optimal for work in a camouflage tent or generally when sitting. Therefore, it is precisely processed, thus it is very sturdy and stable. Therefore it is particularly suitable for the hard outdoor use.

The camouflage color lacquering gives this tripod an extravagant note. Much of the development input came from Franz Bagyi, the famous wildlife photographer and camouflage expert, who also lent his name to this special edition tripod.

The tripod has four fixed stop positions for the tripod legs, which can be adjusted via a stop position system (see figure on page 16). It can be lowered to almost ground level. Its unmatched quality of workmanship guarantees a long life as well as superb resistance to high loads.

A CLASS OF ITS OWN - THE DREAM OF MANY NATURE PHOTOGRAPHERS.



MINI TRIPOD



MINI TRIPOD L



MINI TRIPOD
LEVELLING



MINI TRIPOD L
LEVELLING

Mini tripods are available with and without levelling system. These are versatile tripods with a maximum of stability. They are particularly suitable for macro photography or as universal table tripod. The height of the tripod legs is continuously adjustable.



MOD.

	#	cm/ in	cm/ in	cm/ in	kg/ lb	kg/ lb
Mini tripod	50031	26/ 10	6/ 2.5	36/ 14	0,7/ 1.5	15/ 33
Mini tripod Niv.	50032	29/ 11.5	8/ 3	38/ 15	0,9/ 2	8/ 18
Mini tripod L	50041	42/ 16	5/ 3	68/ 27	1,0/ 2.2	5/ 11
Mini tripod L Niv.	50042	45/ 17.7	11/ 4.3	69/ 27.2	1,1/ 2.4	5/ 11
Mini bag	32079					
Mini bag L	320791					

More Information found on page 24.

WITH LEVELLING

Special highlights are our mini tripods with levelling. The support plate with a diameter of 76 mm can be swivelled on all sides by 25°. Thus, almost all work can be performed without additional tilt heads.



Mini tripod with levelling
range of 25°

For mounting a camera with change plate, we recommend the quick-release module 130 (see page 26).

ALSO WITH SPIKES

At the base of each tripod foot, there is a rubber-cap as standard. When desired, the tripod is also available with exchange foot tip. Additionally, one can screw spikes into the feet which increases the slip resistance for large spreading angles.



MOUNTING SCREW
can also delivered by
3/8" thread

32206

THE END STOP SYSTEM FOR THE TRIPOD LEGS.

The tripod leg end stops are adjustable in five positions (see left). This special construction gives the tripod an enormous stability, particularly near the ground. Even at a spreading angle of 80°, the mini tripod (without levelling) is loadable up to 15 kg / 33 lb.



5 snap-in stages
including negative
bracing



WALL-MOUNTED SUPPORTS, MONOPODS

WALL-MOUNTED SUPPORT WITH SLIDING OR CRANK-TYPE COLUMN

Berlebach wall-mounted supports are made of high-strength ash wood in connection with light-weight aluminium alloys. They are applied particularly in studios, in which there is no place for a tripod, and they are ideally suited for portrait shot, but also for reproductions.

The wall-mounted support can be swivelled by 180° and can be placed space-saving directly to the wall. The wall tripod can be swivelled through 180°. A secure locking is possible at any point of the whole swivel range. It can be mounted on any wall or on any other stable fixture.

Model	Sliding column	geared column
Item no.	50021	50025
Swivel range	180°	180°
Centre column (Length/Ø)	50 cm / 20 in 25 mm / 1 in	50 cm / 20 in 40 mm / 1.5 in
Minimal extension	52 cm / 20.5 in	54 cm / 21 in
Maximal extension length	77 cm / 30 in	79 cm / 31 in
Load capacity	8 kg / 18 lb	12 kg / 26 lb
Weight	6 kg / 13 lb	7 kg / 15 lb



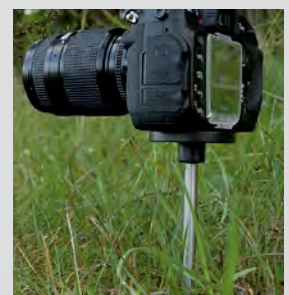
MONOPOD

Monopods are used for all assignments where there is insufficient room for a tripod and where snapshots have to be taken in just a few seconds, e.g. in sports photography. There are two sizes available, model 112 with one extraction and model 113 with two extractions. An integrated tripod head with a supporting surface Ø 25 mm / 1 inch allows vertical tilt. The extensions are continuously adjustable. Safe standing position by means of exchange foot tip, steel spike or rubber. Delivery includes fastening screw 1/4", if desired 3/8".

MOD.	#					
112	12070	100 cm / 39.1 in	100 cm / 39.1 in	175 cm / 68.9 in	1.2 kg / 2.6 lb	8 kg / 17.6 lb
113	22070	73 cm / 28.7 in	73 cm / 28.7 in	155 cm / 61.0 in	0.9 kg / 2.0 lb	6 kg / 13.2 lb

GROUND SPIKE

The ground spike is suitable for photo shots near the ground. The camera plate can be unscrewed from the stainless steel round bar. It is our low-priced alternative to the mini tripod, but not so flexible and not utilisable on rocky ground. The diameter of the camera plate is 68 mm / 2.7 inch.



0.22 kg	5 kg	250 mm
0.5 lb	11 lb	9.8 in

CAR WINDOW MOUNT SMALL



1/4" or 3/8"

This type of camera support is preferably used with a ball head, 2-way or 3-way tilt head. The dimensions of the support plate are 80 x 100 mm / 3.1 x 3.9 inch. The size of the clamping jaws is 100 x 30 x 50 mm / 3.9 x 1.3 x 1.9 inch. The maximum clamping thickness is 6 mm / 0.2 inch.



10 kg / 22 lb



420 g / 0.9 lb



50121



CAR WINDOW MOUNT LARGE

Thanks to the large support plate, this car window mount is particularly suitable for placing the camera with large objective directly onto it. But also the fixation of a tripod head is possible. Support plate 150 x 280 mm / 5.9 x 11 inch, inclinable from -10° to 90°. The maximum clamping thickness is 6 mm / 0.2 inch.



1/4" or 3/8"



10 kg / 22 lb



920 g / 2 lb



50120

The fastening screw can be screwed into the front or the rear thread. The car window mount can be additionally stabilised by a monopod. There are nuts necessary for this purpose in the ground of the support plate.

BINOCULARS SUPPORT

The binoculars support provides a very good support option for your binoculars. Simply mount it onto a 2-way tilt head and enjoy the blur-free view.



Base thread: 1/4" and 3/8"
Size: 170 x 120 mm
6.7 x 4.7 inch



250 g / 0.5 lb



32260

These modules are clamp elements for attachment to the Berlebach tripods legs.
Easy and quick installation with just one clamping lever (no screwing required).
They can be mounted on both sides of the upper wooden segment and are adjustable in height.
The tilt angle is 35 degrees.
The MonkeyGrip is available in two sizes, for Report and Mini tripods as well as UNI or PLANET as well as in two versions:

Grip1 with integrated ball and camera plate Ø 30 mm 1/4" + 3/8" internal and external thread

Grip2 with levelling camera plate Ø 68 mm please specify 1/4" or 3/8"



MonkeyGrip 1 for Report system

MonkeyGrip 1 for UNI system

MONKEY Grip2

MONKEY Grip1



MonkeyGrip 1: You are able to screw on directly compact cameras or umbrellas (e.g. Novoflex Patron s. fig. right)

MonkeyGrip 2: mount tilt or ball heads to work on ground level.

Advice: you better spread the legs by at least 40 degrees. (Leg stop position 2).



TRIPOD UMBRELLA

Umbrella (Ø 85cm) with 3/8" bushing, removable handle and extension.
The grip is removable and can be equipped additionally with an extension.

MonkeyGrip 1 Report

MonkeyGrip 2 Report

MonkeyGrip 1 UNI

MonkeyGrip 2 UNI

Service-plate für MG2

Tabletholder for 7" - 10" Tablets

Tabletholder for 9,5" - 14,5" Tablets

Umbrella

KG	KG	#
190 g/0.4 lb	4 kg/ 8.8 lb	320510
282 g/0.6 lb	4 kg/ 8.8 lb	320511
262 g/0.6 lb	4 kg/ 8.8 lb	320512
355 g/08.8 lb	4 kg/ 8.8 lb	320513
355 g/0.8 lb	3 kg/ 6.6 lb	320517
150 g/0.3 lb	-	320519
170 g/0.4 lb	-	320520
220 g/0.5	-	320514



MonkeyGrip 1 with mounted tray



MonkeyGrip 2 with mounted plate

SEAT SCREW

The seat screw is ideally suited for creating a fixed viewpoint in nature without a tripod, e.g. on a raised hide.

For the attachment to a board (max. thickness 50 mm / 1.9 inch) a hole with a diameter of min. 10 mm / 0.4 inch is necessary.

Please specify when ordering if thread 1/4" or 3/8".

KG	KG
200 g/0.4 lb	
#	#
32255	



LAMPSHADE

Decorative real wooden lampshade for photographic tripods

With this lampshade you can make your photographic tripod a real highlight.

The thin outer wall made of special veneer lets the light shine through, creating a very cosy warm light with a special ambience. Of course, this shade works best with our ash wood tripods, although any other tripod with 3/8" or 1/4" connection is also suitable (maximum base diameter 140 mm). To turn it on and off, a pull switch is mounted under the floor, which can be operated via a drawstring with wood finish or you can use the foot switch on the cable.

Height: 330 mm
Diameter: 350 mm

Included in the delivery is a 25W LED light bulb/ E 27.

52010



CLAMPING LEVERS

The variable clamping levers are optionally available.



105 g / 0.2 lb



90015

TRAY BAG

For more information see page 22.



SPIKES

The spikes can be screwed optionally into the standard exchange foot tips of the REPORT and Mini series.



320508

CENTRE COLUMNS AND ACCESSORY

CENTRE COLUMNS

The centre columns that are shown here are suitable for the model series Report module inserts 2 or 4. Our centre columns are made of precision wrought light-metal tubing with Ø 25 mm and are available in five standard lengths. Moreover, we offer you also separable centre columns and centre column extensions. The diameter of the support plate is 68 mm. It is possible to use the centre column reversed. For this purpose, you have to remove the lower locking screw, pull out the column and insert it again from below. Please turn in the locking screw again, since it serves as protection against slipping out.

For special applications, we have got tripods with centre columns made of PVC tube and wood in our programme. Of course, special lengths are available on request.

EXPANSIONS



#32065 separable centre column 10/37 cm / 4/ 14.5 in



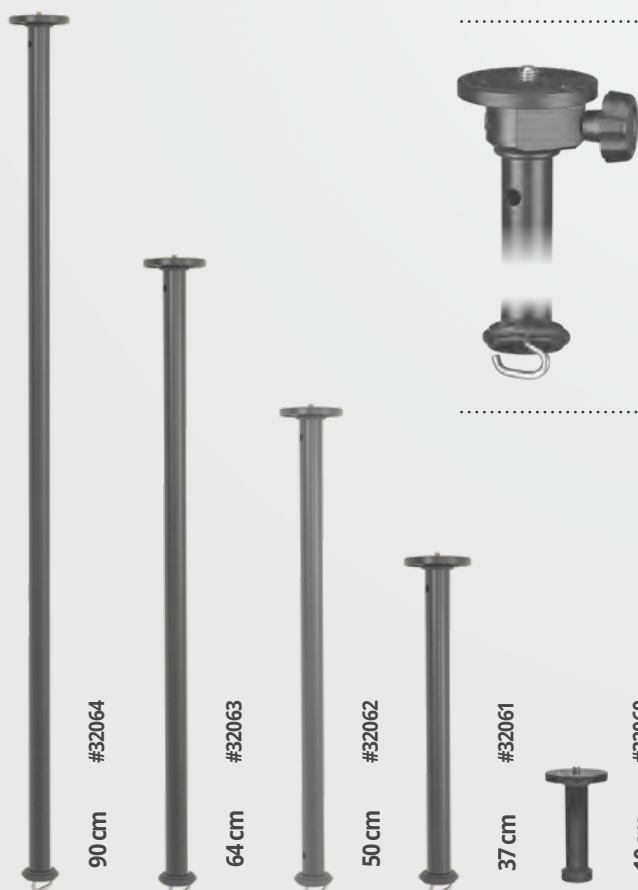
#32066 separable centre column 10/50 cm / 4/ 20 in



#32067 centre column extension 50 cm / 20 in Report



#11185 centre column extension 50 cm / 20 in UNI



Integrated rotating panorama plate

With the integrated rotating panorama plate, you can create panoramic photos even easier.

"/P" is added to the model designation, e.g. 322/P

Locking screw with hook

The hook serves among others for ballasting the tripod or for attaching accessories.

CAMERA PLATE

With the aid of the camera plate, our centre columns can be used on both sides for mounting photo equipment, in doing so, the end piece is replaced by the camera plate.



Thread 1/4" or 3/8"
Please specify when ordering.

55 g / 0.1 lb # 32069

TRAVERSE ARM

The traverse arm is attached on the tripod like a tripod head and allows the horizontal shifting of the camera. The mounting of the camera is possible at the midpoint as well as at the end of the traverse arm. When required, the locking screw can be replaced by an additional camera plate, so that there are three connections for cameras. The traverse arm has a length of 50 cm / 20 in.



Thread 1/4" or 3/8"
Please specify when ordering.

520 g / 1 lb

320501

SHELVING POSSIBILITIES

PROJECTION TABLE TOP



The projection tabletop is the best variant for creating a safe stand for a projector or a beamer. A comfortable height adjustment will be achieved best by means of tripods with a centre column. The projection tabletop is equipped with a 3/8" bushing (when desired 1/4") and so it can be screwed on any tripod.

The projection tabletop is also available with firmly attached tubing plate. As a result, it can be screwed on a reversed centre column. So you get a connection with a higher load-bearing capacity. Within a few seconds, you create the ideal place for your projection device. (See figure)

	320481 32048	with 3/8" bushing with attached tubing plate see figure.		
	36 x 31 cm 14.2 x 12.2 in		18 kg / 39.7 lb at central load	 0.8 kg 1.8 lb

TRAY BAG



The storage bag made of high-quality and extremely durable CORDURA is primarily used for storing camera and accessory parts, but can also be used for loading (5 kg max.). The bag has an edge length of 33 cm.

To mount the hooks are mounted in the eyelets of built-in clamps on the tripod.

Advantages over the trays (see page 48):

- much lighter (only 60 g!)
- no dismantling necessary for transport
- easy to stow away

SERVICE PLATE

SERVICE PLATE
The service plate is a useful object for depositing accessories.
The plate has as size of 28 x 18 cm.



CANTILEVER



The cantilever is stored and transported inside the centre column of the tripod. It is an important facility for photo shots near the ground. The attachment of lighting equipment or of an accessory device, such as the service plate, is possible. Receiving thread 1/4" and 3/8"

									
Service plate	30x20 cm/11x8 in	2 kg/4.4 lb	620 g/1.4lb	32051	Report	25 cm/9.8 in	2kg/4.4 lb	300 g/0.7 lb	32050
Monkeygrip plate for notebook	30x20 cm/11x8 in	2 kg/4.4 lb	620 g/1.4lb	320517	UNI	34 cm/13.4 in	2kg/4.4 lb	500 g/1.1 lb	11171

TRIPOD CART UNI

This tripod cart is the ideal carrier for the entire UNI tripod system. The extremely stable full metal construction unites tripod and tripod cart to a compact unit. It rolls very easily on even floors. You can make the cart roll or stop by means of a foot pedal. In the centre, on the top of a sliding centre column, you can attach a camera or a service plate for depositing diverse objects. This tripod car becomes an indispensable helper for your daily work.



3.5 kg / 7.7 lb



11150



1.9 kg / 4.2 lb



310070

TRIPOD CART MADE OF ASH WOOD

The tripod cart made of ash wood is a low-priced and likewise reliable alternative to the metal tripod cart.

For putting up, the segments at the left and the right are braced up to the stop. It is necessary to turn back the rubber feet, so that the stainless-steel tips can be inserted into the holes that are provided at the cart. After that, the rubber ring is pulled over the tripod foot by means of the pulling pieces.

The cart is applicable for the model series UNI and Report. Please specify the model of your tripod when ordering, because the rubber ring is adapted correspondingly.

Each roll is provided with a total locking that fastens the wheel when necessary so that it cannot twist. The diameter of the rolls is 70 mm / 2.8 in and the running surface is made of non-slip rubber.

For transport purposes, the cart can be easily folded up, and can be carried with the functional carrying handle of the middle piece.

GROUND SPREADER

This ground spreader is particularly suitable for work with an extreme spreading angle of the tripod on smooth or sensitive floors. The extensions are infinitely variable. Clear scale marks indicate the extension length. Rubber pads are provided for non-slip support. The centre piece also allows mounting of a camera or a service plate.



1.6 kg / 3.5 lb



11160



mounted UNI tripod foot

non-slip rubber feet

BAGS, STRAPS & COATS

Berlebach tripod bags offer protection for your tripod and at the same time, they allow a comfortable transport thanks to wraparound carrying handles and an additional shoulder strap. Breathable cotton fabric ensures an optimal temperature and humidity equalisation, which is very important for wooden tripods. Furthermore, we deliver cushioned carrying straps for the bags or for the tripod.

The OP/TECH strap system offers a particular good carrying comfort, since the straps are made of high-quality neoprene materials, and therefore they are tough and resilient. The ergonomic shape distributes the weight on a considerable larger surface. Therefore these bags are particularly favourable when carrying heavy equipment over a long time.

BAG FOR BICYCLE

MOD.	50 cm	75 cm
 KG	400 g	500 g
 #	33010	33012

This tripod bag is very easy to mount at the carrier. It protects your tripod against moisture and dirt. We offer 2 different lengths.



The diameter of the bag is 14 cm / 5.5 in



System	Length	Ø	#
Report	70 cm / 27.6 in	14 cm / 5.5 in	32080
Report	80 cm / 31.5 in	14 cm / 5.5 in	32081
Report	90 cm / 35.4 in	14 cm / 5.5 in	32082
Report	110 cm / 43.3 in	14 cm / 5.5 in	32083
UNI	70 cm / 27.6 in	24 cm / 9.4 in	32086
UNI	100 cm / 43.3 in	24 cm / 9.4 in	32087
UNI	120 cm / 47.2 in	24 cm / 9.4 in	32079
Mini	35 cm / 13.7 in	11 cm / 4.3 in	320791
Mini	45 cm / 17.7 in	11 cm / 4.3 in	320871
Planet	100 cm / 39 in	26 cm / 10.5 in	320872
Planet padded	105 / 41 in	26 cm / 10.5 in	

SNOW PLATE

This adapter is for using with Reort-tripods on soft or sandy ground. The plate from aluminum has an diameter of 100 mm. The ball joint has a free angle of 80° for nearground using.



320505

TRIPOD STRAP CAMERA STRAP



32091

320276

BAG STRAPS



25 mm # 32094

38 mm # 32095

BAG STRAPS

Are suitable for the tripod bags of Berlebach or also for own bags - thanks to the spring clip system.

TRIPOD STRAP

For the easy transport of tripods.

CAMERA STRAPS

are intended for the carrying coupling SPEEDY (p. 27)

For further information, please visit: www.berlebach.de



N60



N75



N90

LEVELLING ADAPTER 33°



Our levelling plates N60, N75 und N90 are suitable for all tripods that do not offer any possibility to align a 2-way or 3-way tilt head directly. Thanks to the high load-bearing capacity of the levelling plates N75 and N90 are also suitable for big Gimbal tilt heads.

The fastening handle can be rotated 360°. Thus, it can always be adjusted so that it is not visible in the view. Those who particularly emphasize a small, light-weight and yet extremely stable equipment are well served with this levelling plate. In many cases, you can attach the camera on the plate also directly by means of a quick-release coupling and to spare big tilt heads.

The Levelling adapter 33° is an all-round component for all heavy tripods. It is provided with a 3/8" base thread and fits also ø 70 and 85 mm bowl sizes. The tilting angle on all sides is 33°, a high clamping force is possible to ball diameter 100 mm / 3.9 in, an adjustable friction is also included.

MOD.	N60	N75	N90	Levelling Adapter 33°
	10 kg / 22 lb	15 kg / 33.1 lb	20 kg / 44.1 lb	20 kg / 44.1 lb
	10 Nm	15 Nm	40 Nm	60 Nm
	20°	15°	15°	33°
	290 g / 0.6 lb	340 g / 0.7 lb	590 g / 1.3 lb	970 g / 2.1 lb
	41 mm / 1.6 in	39 mm / 1.6 in	55 mm / 2.1 in	100 mm / 3.9 in
diameter camera support	ø 55 mm / 2.1 in	ø 62 mm / 2.4 in	ø 77 mm / 3 in	ø 77 mm / 3 in
	320410	320412	320414	111971

THREEFOLD ADAPTER

The threefold adapter is ideal for mounting several things on the tripod at the same time. The threefold adapter is available in 2 different lengths.

MOD.	#		thickness
35 cm	32058	350 g / 0.8 lb	6 mm / 0.3 lb
41 cm	32056	650 g / 1.4 lb	10 mm / 0.4 lb
Dual	320583	1004 g / 2.2 lb	14 mm / 0.6 lb



Total length 35 cm – distance from the middle screw to the outer screw which is shiftable within the slotted hole: 12-15 cm / 5-6 in.



Total length 35 cm – distance from the middle screw to the outer screw which is shiftable within the slotted hole: 15-18 cm / 6-7 in.



The triple adapter 160 dual has an integrated quick-release system 160 in the UNI/C dovetail profile and can be supplemented with a second quick-release system on the opposite side.

Total length 279 mm - distance from centre of quick coupling to centre of screw 95 mm.

THREADED SOCKETS

The threaded sockets serve for increasing or reducing the tripod connection/ camera connection thread.



Threaded socket A - for increasing the outside thread from 1/4" to 3/8"
Art no. 32054



Threaded socket E - for reducing the outs. thread from 3/8" to 1/4"
Item no. 320722



Threaded socket C
like threaded socket B, but extra long (8.5 mm / 0.3 inch)
Item no. 32072



By means of the adapters, you can reduce or increase thread connections. The adapters are available in two different diameters, 68 mm / 2.7 inch and 89 mm / 3.5 inch, and have a height of 20 mm / 0.8 inch.

THREAD ADAPTER

MOD.	#			
R1	32052	ft 3/8"	mt 1/4"	68 mm / 2.7 in 125 g / 0.27 lb
R2	32053	ft 1/4"	mt 3/8"	68 mm / 2.7 in 125 g / 0.27 lb
R3	320531	ft 1/4"	mt 1/4"	68 mm / 2.7 in 125 g / 0.27 lb
R5	320522	mt 1/4"	mt 1/4"	68 mm / 2.7 in 125 g / 0.27 lb
R6	320532	mt 3/8"	mt 3/8"	68 mm / 2.7 in 125 g / 0.27 lb
U3	11180	ft 3/8"	mt 1/4"	89 mm / 3.5 in 210 g / 0.46 lb
U4	11181	mt 1/4"	mt 3/8"	89 mm / 3.5 in 210 g / 0.46 lb
U6	320529	mt 3/8"	mt 3/8"	89 mm / 3.5 in 210 g / 0.46 lb
U7	320527	ft 3/8"	mt 5/8"	89 mm / 3.5 in 460 g / 1 lb

If requested, adapters with 5/8" are available.
For more information, please refer to www.berlebach.de.

QUICK-RELEASE COUPLINGS

Berlebach quick-release couplings are available in six different sizes. They are characterised by low weight and high clamping force.

All quick-release couplings have a safeguarding against slipping out in case of unintentional release of the change plate.

MOD. 110



The quick-release coupling Mod. 110 has a diameter of 60 mm and is equipped with a circular bubble. It is applied mainly in the domain of 35 mm cameras. A safety pin prevents the camera from slipping out unintentionally. The change plate is not included in the delivery.

MOD. 150



The model 150 is an all-rounder. It has 2 rod spirit levels. Two locking screws prevent an unintentional loosening from the tripod. The locking screw for the pressure shoe is anti-loss. A safety pin prevents the camera from slipping out unintentionally.

The change plate is not included in the delivery.

MOD. 130



The quick-release coupling Mod. 130 has a diameter of 70 mm. It is equipped with a rod spirit level and a circular bubble. A safety pin prevents the camera from slipping out unintentionally. The change plate is not included in the delivery.

MOD. 160

The quick-release coupling Mod. 160 is particularly suitable for heavy equipment, such as telezoom objectives, since the large clamping surface of the pressure shoe transmits an enormous force. Two locking screws prevent an unintentional loosening from the tripod. The locking screw for the pressure shoe is anti-loss.



This model is equipped with a circular bubble. A safety pin prevents the camera from slipping out unintentionally.

The change plate is not included in the delivery.

MOD. 140



The model 140 is a quick-release coupling with quick clamping system by Berlebach. The change plate is screwed into the camera and clicked into the coupling with light pressure. The camera is locked by pressing the lever. The coupling is equipped with 2 rod spirit levels.

also available with 3/8" thread screw

MOD. 153

The quick-release coupling Mod. 153 works according to the principle of a quick clamping system. The change plate which is attached to the camera is inserted transversely with light pressure into the provided base. In this way, the mechanism closes independently. By pressing the clamping lever again, the change plate is locked. It is equipped with 2 rod spirit levels.



This coupling can only be used with change plates from Berlebach. A safety pin prevents the camera from slipping out unintentionally. The change plate 050/87 is included in the delivery.

CHANGE PLATES WITH DOVE TAIL PROFILE

available in 6 standard lengths:



#	thread screw	dimensions of the supporting surface	KG
050/40	320280	1x 1/4" 50 x 40 mm / 2.0 x 1.6 inch	36 g / 0.1 lb
050/57	320281	1x 1/4" 50 x 57 mm / 2.0 x 2.2 inch	50 g / 0.1 lb
050/87	320282	2x 1/4" 50 x 87 mm / 2.0 x 3.4 inch	80 g / 0.2 lb
050/117	320283	2x 1/4" 50 x 117 mm / 2.0 x 4.6 inch	100 g / 0.2 lb
050/157	320284	2x 1/4" 50 x 157 mm / 2.0 x 6.2 inch	130 g / 0.3 lb
050/227	320289	2x 1/4" 50 x 227 mm / 2.0 x 8.9 inch	170 g / 0.4 lb
easy	320305	1/4" 75 x 123 mm / 2.0 x 4.8 inch	105 g / 0.2 lb

#	Mod.	thread screw	dimensions of the supporting surface	KG
320262	Mod. 110	60 x 80 mm / 2.4 x 3.1 inch	16 mm / 0.6 inch	90 g / 0.2 lb
320263	Mod. 130	68 x 94 mm / 2.7 x 3.7 inch	16 mm / 0.6 inch	110 g / 0.2 lb
320295	Mod. 140	60 x 65 mm / 2.4 x 2.6 inch	16 mm / 0.6 inch	100 g / 0.2 lb
320265	Mod. 150	105 x 60 mm / 4.3 x 2.4 inch	18 mm / 0.7 inch	140 g / 0.3 lb
320267	Mod. 153	95 mm x 90 mm / 3.7 x 3.5 inch	18 mm / 0.7 inch	210 g / 0.5 lb
320269	Mod. 160	110 x 90 mm / 4.3 x 3.5 inch	18 mm / 0.7 inch	160 g / 0.4 lb

Quick-release couplings with dove tail system are compatible with change plates from Arca-Swiss / UniQ/C.

THE CARRYING COUPLING

SPEEDY

YOU GET WHAT THE NAME SAYS!

There are many camera strap systems, but with the Speedy from Berlebach camera handling is faster and less complicated.

How is it different from other systems?

The SPEEDY is not screwed directly into the camera but mounted on your change plate, thus dispensing with any annoying change between strap or change plate. Unlock SPEEDY and insert camera into the tripod head - done! (If the change plate is long enough, you do not even have to unlock the SPEEDY)

Unlike many other carrying systems, the camera cannot detach by itself in this case. This is done by a patented spring clamp, which releases your change plate only when you wish! All Berlebach and Arca or UniQ/C-compatible change plates can be used.



Conventional systems may loosen over time.



Berlebach system

Loosening prevented by patented SPRING PRESSURE system.

Speedy

KG 80 g/ 0.2 lb
320273

Shoulder strap

KG 100g/ 0.22 lb
320276

The **CAMERA L-ANGLE "EASY"** is very light but stable and buckling resistant. With this angle, the camera can be moved from landscape to portrait mode (and vice versa) in a few seconds.

The wide adjustment range of the camera retaining screw enables optimum positioning of the camera. The rubberised surface of the angle makes the camera rotation-proof.

The square change plates can also be used in angles of quick release couplings with 90° offset.

The camera L-angle is adapted to the typical Berlebach safety system and thus, secured against unintentional slipping out.

Due to its small dimensions, the camera L-angle is particularly suitable for non-reflecting system cameras and small DSLRs. For the different cameras, different angle lengths are available in a modular system. For details, please visit: www.Berlebach.de



#	mm/ in	mm/ in	KG g/ lb
320305-80/40	33 - 54 / 1.3- 2.1	93 x 39 x 54 / 3.7x1.5x2.1	85/ 0.19
320305-95/40	48 - 69/ 1.9- 2.7	108 x 39 x 54/ 4.3x1.5x2.1	90/ 0.2
320305-110/40	45 - 80/ 1.8- 3.1	123 x 39 x 54/ 4.8x1.5x2.1	93/ 0.2
320305-125/40	55 - 90/ 2.2- 3.5	133 x 39 x 54/ 5.2x1.5x2.1	96/ 0.21
320305-80/60	33 - 54 / 1.3- 2.1	93 x 39 x 75/ 3.7x1.5x3	92/ 0.2
320305-100/60	48 - 69/ 1.9- 2.7	108 x 39 x 75/ 4.3x1.5x3	98/ 0.22
320305-110/60	45 - 80/ 1.8- 3.1	123 x 39 x 75/ 4.8x1.5x3	101/ 0.22
320305-125/60	55 - 90/ 2.2- 3.5	133 x 39 x 75/ 5.2x1.5x3	104/ 0.24

TELEADAPTER

The replacement of the large original foot by the tele-adapter by Berlebach with its significantly reduced height reduces the space requirement, so that the telephoto lenses by Nikon, Canon and Olympus can be stowed away for transport much easier. Moreover, the adapter by Berlebach with its compact construction also significantly reduces possible vibrations and an improved handling by an optimised centre of gravity is reached.



Material notches for weight reduction

	mm/ in	KG g/ lb	#
for Canon	26 mm/ 1 in	45 g/ 0.1 lb	320541
for Nikon	12 mm/ 0.5 in	35 g/ 0.1 lb	320543
for OLYMPUS	26 mm/ 1 in	45 g/ 0.1 lb	320544

TRIPOD HEADS

THE IDEAL TILT-HEAD FOR SPOTTING SCOPE
AND BINOCULARS

MOD. 510



TILT HEAD 510

It impresses with innovative technology as well as with high load capacity, and has a low dead weight. The integrated quick-release coupling mod. 110 can be quickly mounted offset by 90° using the added hexagon socket wrench. In this way, you can use this tilt head as 3-way tilt head without limitation by means of an elbow that is attached to the camera.

In contrast to many other tilt heads, this one can be swivelled in vertical direction by 90° on both sides.



The locking of both planes is made thanks to a special mechanical system via one sole clamping element. The friction adjustment for the vertical tilt is effected via an adjusting wheel opposite to the clamping element.

The guide handle is mountable for both right and left handed persons.



700 g
1.5 lb



5 kg
11 lb



90 mm
3.5 in



32023

2-WAY TILT HEADS

MOD. 520



TILT HEAD 520

The mounting head 520 is the lowest-price model in the range of the 2-way tilt heads. A spring that is integrated in the head prevents the camera from tilting. The vertical axis is locked directly using the swivel arm. The swivel arm is designed so that it can be adapted to both right and left handed persons. Inside the support plate, there is a camera retaining screw with an adjustment range of 25 mm / 1 inch.

At the model 520 Spezial, the swivel arm is replaced by a clamping lever. Both parts have got the same thread and are exchangeable.

The model 520 Video has a 10 mm / 0.4 in thick support slat, a stationary camera retaining screw as well as a pin that prevents the camera or the spotting scope from turning.

All tilt heads are provided with a circular bubble. The vertical swivel is possible in a range from -40° to +90°.

The support rectangular plates of the models have the dimension 80 x 50 mm / 3.1 in x 2 in.



Tilt head 520 Video with Quick-Release Coupling 130



Tilt head 520 Spezial with clamping lever



Tilt head 520 Video with video pin

MOD.	 KG	 5 kg/ 11 lb	 90 mm/ 3.5 in	#
520	520 g/ 1.1 lb	5 kg/ 11 lb	90 mm/ 3.5 in	32020
520/130	580 g/ 1.3 lb	5 kg/ 11 lb	100 mm/ 3.9 in	320202
520 Spezial	470 g/ 1 lb	5 kg/ 11 lb	90 mm/ 3.5 in	32021
520 Video	570 g/ 1.25 lb	5 kg/ 11 lb	95 mm/ 3.7 in	32022

MULTIFUNCTIONAL - THE BASE HEADS

MODULAR. This word is of major importance for Berlebach Stativtechnik along with precision and flexibility. Berlebach products are developed to offer the greatest possible range of applications to the user with as few individual products as possible. Having started with the tripods with a new report module system, optionally the tripod can be alternatively equipped with module inserts, now new tripod heads 553 and 653 have been developed.

The special feature: now you can mount already pos. available products (panorama plates P101 and P103 as well as the quickrelease couplings 130 and 150 starting from the year of construction 10/2014) on the base head. You already have one of the mentioned products? Then order only the base head and mount yourself your individual tripod head.

**2-way base head
553**



**3-way base head
653**



Portrait format extension HF3



**Base head of models 553 and 653
freely extendable with:**

- Quick-release couplings mod. 130 and 150,
- Panorama plates mod. P101 and P103
- 553 with portrait format extension HF3 turns into base head 653

The base head of the tilt head 553 is a 2-way tilt head which allows swivels in the horizontal and vertical axis. Both axes are individually lockable and due to the friction adjustment of the vertical swivel they are also suitable for amateur film makers. The base head of the tilt head 653 is equipped with a portrait format extension HF3 which additionally allows swivels in the portrait format and due to this turns into the 3-way tilt head. The swivel range for the portrait format is 0 to +90°. In case of the tilt head 553 there is an option to retrofit it into the base head 653 with the help of the portrait format extension HF3.

In the vertical the heads can be swivelled 90° in both directions. The easiness or heaviness is adjustable via a friction adjustment. On the side of the guide handle there is a brightly anodised rotary knob, with which a load pick-up spring can be switched on. In case of camera weights of more than 3 kg this spring should generally be switched on, so that the camera or the spotting scope cannot tilt forwards or backwards when the guide handle is released inadvertently.

- made of aluminium
- fluid effect in the horizontal and vertical axis
- suitable for spotting scopes and compact, bridge and 35 mm cameras up to the medium format
- scaling for horizontal and vertical swivels
- ergonomic clamping elements
- diameter of the ground plate 68 mm
- tripod connection standard 3/8"



**Rotary knob
for switching of
the load pick-up
spring**

**Friction adjust-
ment wheel for
vertical swivel**



THE NEW TILT HEADS 553 & 653

553

+ QUICK-RELEASE COUPLING 150

2-way-tilt head

32015

653

+ QUICK-RELEASE COUPLING 150

3-way-tilt head

By releasing the handle, you can swivel to the upright format, e.g., for taking portrait pictures.

Both tilt heads are provided with the quick-release coupling model 150. This quick-release coupling is designed in dovetail profile (ArcaSwiss compatible or UniQ/C) and has a locking pin which prevents that the change plate slips out inadvertently. For these tilt heads the quick-release coupling can be screwed on offset by 3x90°. The delivery includes the change plate 050/57.

These tilt heads are CNC-manufactured. Thus, we guarantee the highest fitting accuracy for all components. They are perfect for semiprofessional and professional users. The guide handle can be mounted both for right- and left-handed persons. (s. fig. right).

MOD.	#			
		mm / inch	kg / lb	kg / lb
Mod. 553 basishead	32015BK	80 / 3.1	6 / 13.5	645 / 1.4
Mod. 553 + SK150	32015	100 / 3.9	6 / 13.5	830 / 1.8
Mod. 553 + SK130	32015-130	97 / 3.8	6 / 13.5	815 / 1.8
Mod. 553 + SK140	32015-140	95 / 3.7	4 / 8.8	830 / 1.8
Mod. 553 + P101	32015-P101	119 / 4.7	6 / 13.5	1015 / 2.2
Mod. 553 + P103	32015-P103	129 / 5.1	6 / 13.5	1110 / 2.4
Mod. 653 basishead	32014BK	93 / 3.7	6 / 13.5	825 / 1.8
Mod. 653 + SK150	32014	107 / 4.2	6 / 13.5	950 / 2.1
Mod. 653 + SK130	32114-130	109 / 4.3	6 / 13.5	935 / 2.1
Mod. 653 + SK140	32114-140	107 / 4.2	4 / 8.8	950 / 2.1
Portrait format ext.	320196	12 / 0.5		220 / 0.5

The quick-release coupling 150 can be optionally replaced with these products:

553

+ QUICK-RELEASE COUPLING 130



- circular bubble instead of angular bubble
- lighter than the standard change plate

+ QUICK-RELEASE COUPLING 140



- 2 angular bubble
- small change plate

553

+ PANORAMA PLATE P101



Panorama plate P101

- head usable as 3-way tilt head
- rotary plate with 15° detent or infinitely riable

553

+ PANORAMA PLATE P103



Panorama plate P103

- head usable as 3-way tilt head
- rotary plate with 15°, 18° or 24° detent or infinitely variable

Guide handle can be mounted on both sides



BALL HEADS

The entire Magnesit MB ball head series had been developed together with professionals and ambitious amateurs and had been thoroughly tested. From the beginning, special emphasis had been placed on the ergonomic handling of the ball head, the selection of the materials, an unmistakable design and particularly on highest quality.

Each Magnesit MB ball head is made of aluminium, exactly mounted by means of precise turned and milled parts and provided with an abrasion-resistant lacquering. The ball head is delivered including a microfibre cloth in a protective transport bag (except models KG 30 and KG 30-110). The models MB 4.1 and 6.1 have got a change plate with 1/4" and 3/8" camera screw.

MAGNESIT MB 4.1



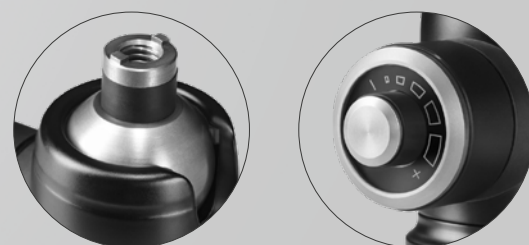
MAGNESIT MB 6.1



KG 24



KG 24 the simple ball head without friction adjustment and horizontal plane.



LOCKING AND FRICTION
KNOBS IN ONE - SPACE-
SAVING AND INTUITIVE

MAGNESIT MB 4.1 - 150



MAGNESIT MB 6.1 - 150



- Made from aluminium
- Abrasion-resistant powder coating
- Precise friction adjustment with convenient lock positions
- Finest scaling for horizontal panning
- Stable adapter plate with 1/4" - 3/8" camera thread
- Suitable for bridge and medium-heavy DSLR cameras
- Complete with microfibre cloth and padded carrying case

MOD.

#

Diameter
tripod connection

Diameter
camera support



Magnesit MB 4.1	C40241	52 mm / 2.0 in	Ø 45 mm	95 mm / 3.7 in	14 kg / 30.9 lb	410 g / 0.9 lb
Magnesit MB 4.1 - 150	C40241/150	52 mm / 2.0 in	50 x 57 mm	105 mm / 4.1 in	14 kg / 30.9 lb	550 g / 1.2 lb
Magnesit 6.1	C40261	62 mm / 2.4 in	Ø 45 mm	103 mm / 4.1 in	23 kg / 50.7 lb	530 g / 1.2 lb
Magnseit MB 6.1 - 150	C40261/150	62 mm / 2.4 in	50 x 57 mm	110 mm / 4.3 in	23 kg / 50.7 lb	710 g / 1.6 lb
Magnesit MB 6.1 - 153	C40261/153	62 mm / 2.4 in	50 x 87 mm	110 mm / 4.3 in	23 kg / 50.7 lb	780 g / 1.7 lb

More Informations
to the Quick-
release couplings
on page 26.

TRIPOD HEADS FOR UNI SYSTEM

These big tripod heads are particularly suitable for heavy equipment. All tilt heads have two integrated circular bubbles for exact alignment. All models are provided with base thread 3/8" and camera thread 1/4", also 3/8" when desired.

2D-PERFEKT

The 2D-Perfekt model has a simply design, but a stable 2-way tilt head. All planes are individually lockable. Tilt range 90° - 0° - 55°.

Now new: By repositioning the operating arm, the 90° inclination is possible on both sides, making the head also suitable for large binoculars and astronomers.



3D-SUPER

The model 3D-Super allow not only horizontal and vertical swivels, but also to the portrait format. The tripod head has an all-round swivel arm that can be adapted to the operating position. Moreover, it is applicable for both left and right handed persons. All planes are individually lockable.



3D-SUPER SPEZIAL

The model 3D-Super Spezial has the same stable basic design, but with a round support plate and without a swivel arm.



MOD.	2D-Perfekt	3D-Super	3D-Super Spezial
	1.2 kg 2.6 lb	1.35 kg 3.0 lb	1.2 kg 2.6 lb
	14 kg 30.9 lb	12 kg 26.5 lb	12 kg 26.5 lb
	115 mm 4.5 in	115 mm 4.5 in	120 mm 4.7 in
	110 x 80 mm 4.3 x 3.1 in	105 x 80 mm 4.1 x 3.1 in	Ø 100 mm 3.9 in
	11110	11120	11125

TILT HEADS ON BALL BASIS

ALBATROS

2-WAY TILT HEADS ON BALL BASIS



AN ULTIMATE CONNECTOR BETWEEN TRIPOD AND CAMERA IMPRESSED WITH FORCE AND DYNAMICS.

Thanks to its innovative construction, the 2-way tilt head Albatros on ball basis provides an unlimited flexibility for work in the domain of dynamic photography. For this tilt head, the unique Berlebach "MotionControl" technology allows laterally guided movements with extreme stability and comfortable operation.

In the basic construction, the tilt head Albatros is similar to its "brother" Pegasus. It is also a universal and optimal all-round tripod head for all domains of nature, telephoto and travel photography. The ball with a diameter of 64 mm and a tilt angle of 43° provides a fixation as firm as a rock and enormous stability thanks to its large friction surface.

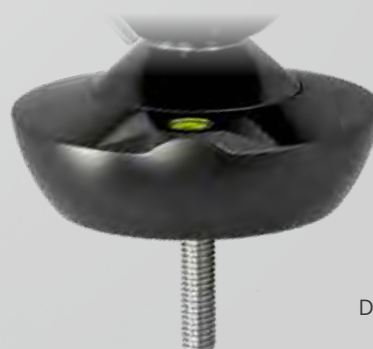
Like for Pegasus, also here the operation had been optimised for quick and intuitively realisable processes. The locking of all movements is made with a unique clamping screw (Ø 50 mm). The small clamping screw on the opposite side serves for the friction adjustment. The swivel arm is mountable on both sides, i.e. it is suitable for left-handed and right-handed persons.

The integrated quick-release coupling in dove tail profile with locking pin is compatible with change plates of other manufacturers (e.g. ArcaSwiss). The diameter of the ground plate is 86 mm.

In contrast to Pegasus, the quick-release coupling of the Albatros can be turned both to left and right by 90°. When you turn it to the left, you can work with an elbow that is attached to the camera and can switch to the portrait format in this way. When you turn it to the right, the vertical axis is locked, in order to perform a 360° pan shot.

Instead of the flat tripod connecting plate with a diameter of 86 mm with 3/8", you can mount a levelling unit with a diameter of 75 or 100 mm respectively. (Detailed information can be found in the Internet on Berlebach.de)

Ø 86 mm / 3.4 inch



AVAILABLE
WITH MOUNTED
LEVELLING UNIT.
DIAMETER OF 75 OR
100 MM



LOCKING WITH WOODEN
HANDLE OR STAR
HANDLE.

Mod.

ALBATROS



112mm
4.4 in



15 kg
33.1 lb



1.4 kg
3.1 lb



11130

THE "LEADING" HEAD

PEGASUS



3-WAY TILT HEADS ON BALL BASIS



Ø 86 mm / 3.4 inch

AVAILABLE WITH MOUNTED
LEVELLING UNIT. DIAMETER OF
75 OR 100 MM

THE IDEAL TRIPOD HEAD

For the development of this tilt head on ball basis, we incorporated the wish of many photographers for a tripod head that is preferably suitable for all domains of photography. High stability for static shots and unrestricted flexibility in dynamic photography are part of the requirement profile, as well as the range of application from wide-angle to low-aperture super-telephoto, and also the aptitude for portrait format and panoramic photography.

THE RESULT – ONE OF THE MOST INNOVATIVE TRIPOD HEADS:

UNIVERSAL

An optimal all-round tripod head for all domains of nature, telephoto and travel photography.

MULTIFUNCTIONAL

Portrait format simply by folding sideward. Panorama basis by locking the vertical axis. Swivel arm mountable for left-handed and right-handed persons. By means of a pusher, the vertical axis can be locked in order to use the tilt head for panorama shots. Instead of the flat tripod plate with a diameter of 86 mm, with 3/8", you can mount a levelling unit with a diameter of 75 or 100 mm respectively. (Detailed information can be found in the Internet on Berlebach.de).

MOTIONCONTROL

Laterally stable guiding for controlled movement sequences in the dynamic telephotography.

STABILITY

A ball with a diameter of 64 mm ensures rock-solid fixation and enormous stability.

ERGONOMIC

One sole clamp screw, always in the same position to the camera-objective-unit, serves for locking the entire tilt head. On the opposite side, there is a smaller clamp screw for adjusting the friction.

QUICK & SAFE

The integrated quick-release coupling in dove tail profile with locking pin is compatible with change plates of other manufacturers (e.g. ArcaSwiss).

Mod.

PEGASUS



112 mm
4.4 in



15 kg
33.1 lb



1.5 kg
3.3 lb



11128



Ultra compact:
folded-up MR 190 with small transport volume



- vertical 15° scaling
- Camera connection with quick-release coupling model 110
- Notches for saving weight
- Scaling for aligning the camera on the X-Axis
- ultra-stable
- Exact fixation of the vertical axis
- Large adjustment ranges (also suitable for full format with large objectives)
- Z-axis with adjustment range of 105 mm / 4.1 inch



All in One

The complete solution for the panoramic photography. Fold, swivel, take photos.

The folding and swivelling elbow is the newest innovation by Berlebach. A product which convinces in torsional stiffness and resilience. It excels in compactness and with the fact that it is built up within seconds.

Since it is a Multi-Row panorama head, spherical panoramas are no problem for the MR 190.

The horizontal plane (X-axis) is characterized by a functional scale which simplifies the alignment of the camera.

The vertical plane is aligned at 90° by a snap-in element when the device is tilted up, and is clamped backlash-free via a wing nut. A 15° snap-in stage had been designed for the adjustment of the nodal rail. A big hand wheel allows with little rotating movements an exact positioning and fixation at the same time, whereat also the safety of your equipments had been considered and a hasty unintended tilting is prevented.

The camera connection is constituted by the coupling model 110, which can be retained via a coin slot screw and moreover can be shifted by 90°. When you loosen this screw, it is possible to adjust the Z-axis, which must be adapted objective-specific in order to determine the nodal point.

The small number of operating elements provides clearness and contributes to intuitive usage.



320344



240 x 77 x
72 mm



5 kg
11 lb



940 g
2.1 lb

PANORAMA SYSTEM

Our Berlebach panorama module system is modular, that means, you can compose your panorama system in the way that it matches your requirement profile. The basic modules are panorama elbow, panorama plate and panorama plates. These can be combined in any manner.

STEP SEQUENCE FOR THE MODULAR CONSTRUCTION SYSTEM:

1. CHOICE OF THE TRIPOD

The most important precondition for optimal work is among others a height-adjustable tripod, such as the "Report" with the module 3, 4 or 6. Other levelling possibilities are offered by our levelling plates. (See p. 15)

2. CHOICE OF THE FIRST PANORAMA PLATE

Here you can decide freely to your choice. If you want the horizontal swivel as simple as possible, without a detent and without an integrated quick-release coupling, then you might want to choose the P60. If you want it more comfortable, then use the P101 with a detent. If you want to have several snap-in stages, then you should decide the P103.

3. CHOICE OF THE PANORAMA ELBOW/RAIL

Single-Row. For single-line photos in landscape format it is sufficient to use a panorama rail. The length depends on the objective. If necessary, a spacer plate must be mounted between camera and rail, e.g. in case of large objective diameters.

Multi-Row. Here the choice is the transportable folding elbow or the tightly fastened panorama elbow.

Those who want to create spherical panoramas and who use a digital SLR with battery handle, should choose the screwed-together elbow with the longest rails. Only here it is possible to swivel through.

4. CHOICE OF THE SECOND PANORAMA PLATE OR QUICK-RELEASE COUPLING, RESPECTIVELY

Single-Row. For single-line photos in portrait format, a quick-release coupling is mounted here. (See page 36)

Multi-Row. The P60 is not suitable for vertical swivels, due to insufficient clamping force. We recommend the P101, since it does not build up so strong and a detent of 15° is perfectly sufficient.

5. CHOICE OF THE SECOND PANORAMA RAIL

Here, the choice of the rail length depends on the objective. If necessary, a spacer plate must be mounted between camera and rail, e.g. in case of large objective diameters.

6. CHOICE OF THE CAMERA CONNECTION

The camera can be screwed directly onto the rail, but the disadvantage is that the nodal point must be recalibrated again and again. A quick-release coupling is the better choice, because here, the camera can be loosened quickly and the nodal point is not altered.



MODULAR L-BRACKET SYSTEM

MULTI-ROW PANORAMA HEAD

1. Align Camera to point of rotation



2. Shift camera objective-specific or depending on focal distance



3. Take photos, e.g. spherical panorama



Berlebach offers a complete system to the panorama photographer. The panorama accessories – from tripod through to tripod head – with which all kinds of digital panoramic photos can be created perfectly.

The Berlebach panorama module system is a panorama head, with which, besides single-line panoramas, also multi-line panoramas can be created, up to spherical panoramas. The Berlebach panorama module system offers the ideal work tool in nature and landscape photography, in architectural photography, and also for interactive spherical panoramas for Internet presentations.

The Berlebach panorama module system serves to mount the camera on a tripod so that it is suitable for panoramic photography, where one can choose between all kinds of components, appropriate for all digital single-lens reflex cameras (DSLR) and for all objectives that are suitable for panoramic shots. Small DSLR with or without battery pack, as well as big DSLR for professionals, with objectives from fisheye to wide angle zoom lenses up to light-weight telezoom lenses can be used for panoramic photography with the Berlebach panorama module systems.

PANORAMA PLATES

P60

P101

P103

PANORAMA SLIDING PLATES, PANORAMA ELBOWS AND CAMERA CONNECTION

The panorama rails in dove tail profile have a clear scaling, a thickness of 10 mm and are available in 3 different lengths: 117, 157 and 227 mm / 4.6, 6.2 and 8.9 inch. The rails are screwed together to an elbow by means of an angle piece.

The folding elbow has a shank size of 135 mm / 5.3 inch. Two rubber cords are embedded into the rails which significantly prevent the camera from twisting. If you want to be on the safe side, then use the spacer piece with interlocking anti-twist protection (see figure).

The P60 is the simplest variant, i.e. it has no detent and no integrated quick-release coupling. In order to use the P60 together with the panorama system, you need a quick-release coupling. For this purpose, we recommend Mod. 110. The models P101 and P103 are both equipped with an integrated quick-release coupling Mod. 130. All models have a circular bubble. The P101 snaps in steps of 15°. But the detent can also be turned off, so that you can work without steps. For the P103, the detent is adjusted via a turn-switch and snaps in at an angle of 15°, 18°, and 24°. Also here, an adjustment for a use without steps is available.



MOD.	#			
Mod. P60	320297	62x70 mm 2.4x2.8 inch	18 mm 0.7 inch	160 g / 0.4 lb
Mod. 101	320298	65x65 mm 2.6x2.6 inch	37 mm 1.5 inch	310 g / 0.7 lb
Mod. 103	320299	65x65 mm 2.6x2.6 inch	47 mm 1.9 inch	390 g / 0.9 lb

MOD.	#		
Sliding plate 117	320327	117 mm / 4.6 inch long	100 g / 0.2 lb
Sliding plate 157	320323	157 mm / 6.2 inch long	130 g / 0.3 lb
Sliding plate 227	320324	227 mm / 8.9 inch long	170 g / 0.4 lb
Elbow Typ I**	320320	130 x 170 mm / 5.1 x 6.7 inch	250 g / 0.6 lb
Elbow Typ II**	320321	170 x 170 mm / 6.7 x 6.7 inch	280 g / 0.6 lb
Elbow Typ III**	320322	170 x 250 mm / 6.7 x 9.8 inch	330 g / 0.7 lb
Elbow Typ IV**	320319	250 x 250 mm / 9.8 x 9.8 inch	380 g / 0.8 lb
fold. L-bracket	320335	135 x 135 mm / 5.3 x 5.3 inch	310 g / 0.7 lb
QRC Mod. 110	320262	Ø 60 mm / 2.4 inch	90 g / 0.2 lb
Spacer	3202977	Ø 60 mm / 2.4 inch	40 g / 0.1 lb

*dimensions of the elbow/rail

**Information: www.berlebach.de

FOLDABLE ELBOW BRACKET

The folding elbow is space-saving and ready for use within seconds. Thanks to a special construction, the elbow is fixable in 6 positions and therefore it can be used also as a rail. The slotted hole allows an adjustment range of 50 - 120 mm / 2 - 4.7 inch. Here too, rubber cords are embedded to prevent slipping.

The folding elbow can also be used as camera elbow.

	310 g 0.7 lb	#	320335
--	-----------------	---	--------



SPIRIT LEVEL FOR THE FLASH SHOE

This spirit level is intended to attach it on the flash shoe of the camera. The dimensions of the flash shoe are 33 x 19 x 18 mm / 1.3 x 0.7 x 0.7 inch.

	10 g 0.02 lb	#	320329
--	-----------------	---	--------



**TRIPOD SKY
WITH
MOUNTING SPHINX**

**UNIVERSAL
TUBE HANDLE**

(p. 45)

DOUBLE CLAMPS

Increased stability thanks to double clamps, available for all Astro tripods

(ATTENTION! Maximum height is reduced by 10 cm / 3.9 inches!)

TRAYS

practical tray for keeping accessory items handy, e.g. oculares or remote

also available as version with eyepiece holes (p. 46)

GROUND-PROTECTING DEVICES

Are pulled over the stainless-steel tips and fixed by means of the rubber.

sturdy foot tips ideally for outdoor use also available with plastic pin

310026

500760

TRIPODS

Berlebach astro tripods are the measure of all things for astronomers. Large wood cross sections with optimised profiles support the extremely high vibration damping of the ash wood. In this way, perfect results are guaranteed for astronomic observations.



REPORT

UNI

PLANET

SKY

GRAVITON

MOUNTINGS AND ACCESSORIES

For our tripods, we offer you a wide range of accessories, such as mountings, adapters, dovetail clamps, dovetail plates, as well as inch screws. If you should have any special wishes beyond that, then please contact us. We produce according to the customer's wishes.

MOUNTINGS



OBSERVER'S
CHAIR



REPORT ASTRO

• 12

REPORT HEAD WITH SMOOTH PLATE AND SPRING-SUPPORTED SPINDLE



Report 112
with mounted tray

Magnesium mounting head with module insert 1 and spring supported fastening screw with 1/4" or 3/8".

• 72

REPORT HEAD WITH
MOUNTING FOR GP

Report 172 GP
with mounted tray

Light-metal mounting head, which is suitable for the mountings GP by Vixen or with an adapter also for other mount.

- **22K**

REPORT HEAD WITH GEARED COLUMN



Report 322 K
with mounted tray

Light metal leg head with helical toothed rack. For quick, easy and precise height adjustment. Especially suitable for working with large binoculars.

The tray included in the delivery does not only serve as a storage option, but also increases the stability and fixes the tripod legs at an angle of 23°. The delivery includes spread stopper and tray.



DOUBLE CLAMPS

Double clamps for Report
available for both models

(ATTENTION! Maximum height is reduced by 10 cm / 3.9 inches!)

MOD.	#					
					with tray	
		cm / in	cm / in	cm / in	kg / lb	kg / lb
112	14110	58 / 22.8	54 / 21.3	89 / 35	3.4 / 4.6	25 / 55
172	12075	60 / 23.6	56 / 22	90 / 35.4	3.2 / 7	25 / 55
212	14111	72 / 28.3	68 / 26.8	115 / 45.3	3.8 / 7.7	20 / 44
272	12076	74 / 29.1	70 / 27.6	116 / 45.7	3.6 / 7.9	20 / 44
312	14112	85 / 33.5	80 / 31.5	139 / 54.7	4.2 / 9.2	18 / 34
322K	12022KA	85 / 33.5	85 / 33	184 / 72	4.2 / 9.2	18 / 34
372	12077	87 / 34.3	82 / 32.3	141 / 55.5	4.0 / 8.8	18 / 34
412	14113	98 / 38.6	91 / 35.8	163 / 65.4	4.5 / 9.9	15 / 33
472	12078	100 / 39.4	93 / 36.6	164 / 64.6	4.4 / 9.8	15 / 33

ASTRO TRIPOD **UNI 18 GP** WITH MOUNTED TRAY AND CHAIN



Our new leg head for astronomy model (designation _/70K) allows easy height adjustment of loads up to 50 kg. The geared centre column (Ø70 mm/ 27.5") makes it easy and safe to adjust the height (30 cm/ 12") of mounts or large binoculars.

The column increases the weight of the tripod by approx 3 kg/ 6.6 lb.

sturdy foot tips ideally for outdoor use also available with plastic pin

310026

Tripods are also available with spread stopper

(p. 48)



31008

DOUBLE CLAMPS

Double clamps for Report available for both models

(ATTENTION! Maximum height is reduced by 10 cm / 3.9 inches!)

310029



The reliable astro tripods of the model series UNI are characterised particularly by a very good value-for-money ratio. The spreading angle of the tripod legs can be adjusted step-less. Due to the mountable tray (37 cm), a spreading angle of approx. 23° is reached. Additionally there is the possibility to hook in a steel chain. Both are included in the delivery.

The mounting heads of the series UNI can be exchanged with each other. Alternatively, these tripods are also available with spread stopper (page 46).

When ordering, please specify the designation of the mounting. Many mountings in stock.

- ASTRO-PHYSICS
- CELESTRON AVX
- CELESTRON CGEM
- DISCMOUNTS DM 4
- DISCMOUNTS DM 6
- GLATTE PLATTE
- GEARED COLUMN
- IOPTRON IEQ 30
- IOPTRON IEQ 45
- IOPTRON ZEQ 25
- IOPTRON CEM 25
- LOSMANDY G8/G11
- MEADE LXD
- SKYWATCHER AZ-EQ 5
- SKYWATCHER EQ 6
- SKYWATCHER HEQ 5
- TAKAHASHI EM 11
- TAKAHASHI EM 200
- VIXEN ADVANCED
- POLARIS
- VIXEN GP
- VIXEN SPHINX

AND MUCH MORE...

UNI	#					
8 (/70k)	14090 (/70k)	67 / 26.4	60 / 23.6	83 / 32.7	6.0 / 13.2	60 / 130
18 (/70k)	14091 (/70k)	91 / 35.8	84 / 33.1	132 / 52	8.0 / 17.6	55 / 120
28 (/70k)	14092 (/70k)	108 / 42.5	100 / 39.4	163 / 64.2	9.0 / 19.8	50 / 110
		cm / in	cm / in	cm / in	kg / lb	kg / lb

Further mountings can be found in the online shop at www.berlebach.de. They are delivered with tray and steel chain.

**Please note: Models with geared column (/70K) are 10 cm/2.5 in higher and the weight increases by 3kg/ 6.6 lb.

DOUBLING THE
CLAMPING FORCE
THANKS TO NEW
TRIPOD LEG PROFILE



PLANET SMALL



PLANET



Our new leg head for astronomy (model designation _/70K) allows easy height adjustment of loads up to 60 kg. The geared centre column (Ø70 mm/ 27.5") makes it easy and safe to adjust the height (30 cm/ 12") of mounts or large binoculars.

The column increases the weight of the tripod by approx 3 kg/ 6.6 lb.

DOUBLE CLAMPS FOR PLANET

Item no. 310032

(ATTENTION! Maximum height is reduced by 10 cm / 3.9 inches!)



When ordering, please specify the designation of the mounting. Tripods for further mounting available upon request.

With our most stable wooden tripod, characterised by large dimensioned wood cross-sections and novel clamping elements, a high loading capacity as well as a very good stability with maximum damping is achieved. The tripod head, which is extremely flat designed, has a 105 mm / 4.1 inch wide tripod leg junction and ensures maximum torsional stiffness. The delivery includes spread stopper and tray. Supporting surface with diameter of 160 mm / 6.3 inch. The tripod Planet small is the short version of our tripod Planet and the spread angle is 28°.

						
Planet (/70K**)	96 cm / 37.8 in	88 cm / 34.6 in	136 cm / 53.5 in	11.0 kg / 24.3	100 kg / 220 lb	14020 (/70K)
Planet small (/70K**)	75 cm / 30 in	70 cm / 28 in	95 cm / 37 in	9.5 kg / 21 lb	100 kg / 265 lb	14021 (/70K)
Planet bag	100 cm / 40 in long	26 cm / 10 in diameter				320871
Planet bag upholstered	105 cm / 40 in long	26 cm / 10 in diameter				320872

Available for:

and many more...



EQ6 (Item no. 14020EQ6)



Astro-Physics 400/600/Mach1
(Item no. 14020AP400)



Takahashi EM400
(Item no. 14020EM400)



Losmandy G11/G8
(Item no. 14020G11/G8)

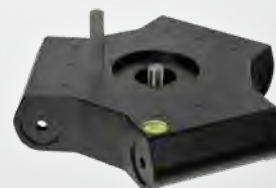


Supporting surface with
diameter of 160 mm /
6.3 inch

Available for:



Astro-Physics 900 / 10 Micron
(Item no. 14020AP900)



Celestron CGEM (Item no. 14020CGEM)



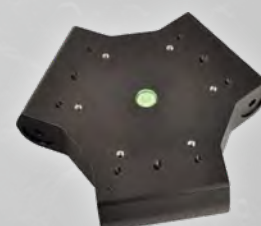
DM6 (Item no. 14010DM6)



New Atlux (Item no. 14010ATX)



Gemini 41/42 (Item no. 14010GM41)



ASA (Item no. 14010ASA)

and many more...

The Berlebach tripod "Sky" is a world innovation of the oldest tripod manufacturer in the world, especially designed for highest demands of ambitious astronomers. It combines the best properties of the material wood with the excellent characteristics of carbon fibres.

Thanks to the tripod foot made of CFC material, a maximum resilience is achieved with a very low dead weight. Equally, the wooden profiles are reinforced with carbon fibre. In the sum of the three innovations, the highest possible degree of resilience, stability and vibration damping is achieved. An excellent design emphasizes the high aspirations of this tripod, which makes the heart of every astronomer beat faster.

The tripod Sky has **standardly double clamps** to guaranteed higher stability and torsional stiffness. The delivery includes spread stopper and tray (for more information look page 46).

When ordering, please specify the designation of the mounting. Tripods for further mounting available upon request.



96 cm / 38 in



88 cm / 35 in



138 cm / 53 in



9.0 kg / 19.9 lb



140 kg / 310 lb



14010

The new standard

The base plate is made suitable for its mounting, e.g. ASA DDM85

NEW

**220 kg
working
load limit!**

**Maximum
vibration
damping,
stability
and
safety**



Wood cross-section
5350 mm²



Toothed rack for
100%
safety



easy switching on and off
of the rack lock



levelling foot tips
20 mm
adjustment path



Lever arm for
clamping element in
the unfolded state
4-fold force



4 different
spread
angles
possible



Spring to
compensate for the
hygroscopy of the
wood



Metal parts
completely milled
from solid material



With the development and production of the Graviton tripods, we offer our customers the possibility to be mobile even with very large and heavy mounts. This astronomical high-end tripod clearly stands out from other substructures in many areas.

- Best vibration damping of all our tripods by massive leg segments made of high-quality ash wood
- Lever arm of the clamping element extendible for force optimisation
- Innovative leg clamping with a flat spring, which compensates for the hygroscopy of the wood
- 100% stability through integrated toothed rack in 5 mm steps
- Fine levelling function in the foot tips offers an adjustment path of 20 mm
- The spread stopper can be mounted at different heights, so that leg spreads of approx. 20-30° are possible
- CNC-manufactured metal parts ensure precise guidance, secure, powerful clamping and attractive design



14026



91 cm / 35.8 in



86 cm / 33.8



135 cm / 53 in



22,5 kg / 49.5 lb



220 kg / 440 lb

OBSERVER'S CHAIRS

CHARON

While sitting, the spinal column is well stabilised thanks to the wide lean surface. The slightly elastic wood material (18 mm multiplex) is spine-friendly thanks to a slight rebounding. Thanks to the cushioning of the seat and the coat made of real leather, the seating surface (25 x 21 cm / 9.8 x 8.3 inch) is particularly sturdy, water-repellent and of course super comfortable.

All fittings are made of stainless steel. The well-conceived folding mechanism ensures a quick and safe assembly and disassembly. Of course, it is delivered completely assembled and ready for use.

A comfortable companion in long nights of observing!



101 cm x 35 cm 39.8 x 13.8 inch



120 kg / 264 lb



5.8 kg / 12.8 lb



500682

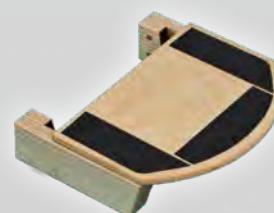
Needs little storage space when folded up



Needs little storage space when folded up



Snap-in height adjustment with toothed belt



Foot rest

500686

NIX II / HYDRA II

These chairs have been made of the best ash wood. Their height is adjustable in snap-in stages of 5 mm- in a range from 25 to 95 cm/ 77cm.

The fixation of the seating surface (32 x 28 cm) by a toothed belt ensures a locking of 100% and an easy and quick adjustment. Also this model can be folded up easily. Ground-protection devices prevent a damaging of the wood.

The foot rest is additionally available.



Nix II

45 x 103 cm 17,7 x 40.6 inch



4.5 kg / 9.9 lb



120 kg / 264 lb



500680

Hydra II

45 x 80 cm 17,7 x 31.5 inch



4 kg / 8.8 lb



120 kg / 264 lb



500681

DEPOSIT TRAY

Practical storage possibility between the tripod legs and additional stabilisation. In order to mount the tray, a set of hook-in clamps is required additionally for the tripod legs (see below).



27 cm / 10.6 in 0.7 kg / 1.5 lb 31003
37 cm / 14.6 in 1.1 kg / 2.4 lb 31001

EYEPIECE TRAY

As an option to the standard tray (only for the 37 cm / 14.6 lb model), with holder for 2" eye-pieces (when required additional reduction ring to 1.25")

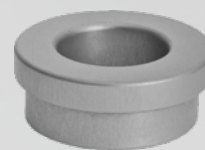


0,8 kg / 1,72 lb



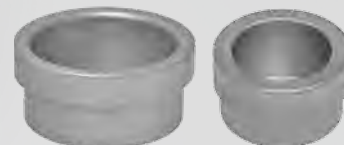
31004

ADAPTER FROM 2" TO 1,25"



500641

CAP FOR 2" AND 1.25" EYEPIECE HOLE



500635

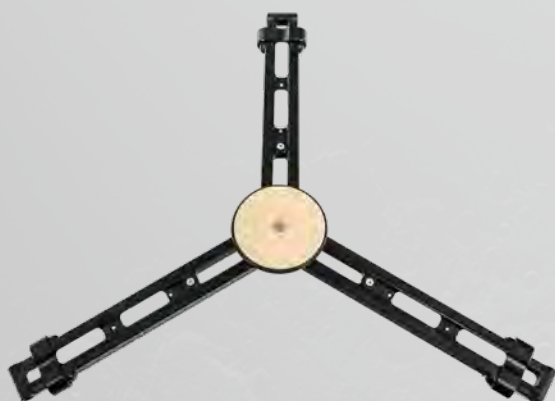
500634

SPREAD STOPPER

The following is achieved by using the spread stopper:

- quick and uniform leg spreading
- always 100% safe setup, since the tripod legs cannot slide away
- quick mounting of the tray
- no chain required

Attention: when using the spread stopper, the tripod legs can only be fixed at an angle of approx. 23°. For tripods without a tray, a set of hook-in clamps is necessary in addition!



HOOK-IN CLAMPS

You need the hook-in clamps to mount the tray or the spread stopper.

Report

UNI

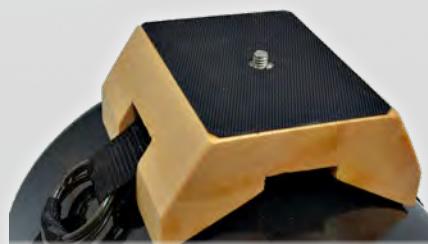


310020

310022

SUPPORT FOR LENS TUBE

The support is connected with the lens tube through a strap.
- rubberplates on both sides



200 g / 0.44 lb



322609

SPREAD STOPPER

With this adjustable spread stopper, you can securely lock the legs of your tripod at three fixed angles.

This allows flexible use of the tripod with various attachments.

Leg spread angle at 24°, 32° and 40°

The tray can be screwed onto the spread stopper.



Spread Stopper 37 cm

250 g / 0.6 lb

31008

Spread Stopper 27 cm

180 g / 0.4 lb

for Report 1x2, 2x2 & UNI 8

31008/R

variable Spread Stopper 37 cm

800 g / 1.7 lb

310083

variable Spread Stopper 27 cm

670 g / 1.5 lb

for Report 1x2, 2x2 & UNI 8

310082

TUBE HANDLE

The tube handle is composed of milled aluminium brackets and a handle piece made of round ash wood with a diameter of 25 mm / 1 inch. The wooden handle has a length of 250 mm / 10 inch and also available with other lengths if requested. The length can be shortened discretionary simply by cutting the round bar.

At the two bottom sides there is a 1/4" screw for attaching it at the tube or at other accessories. With the aid of our dovetail clamps, also a dovetail handle is possible which can be quickly clamped onto different dovetail plates.



COMPONENTS



PUT TOGETHER



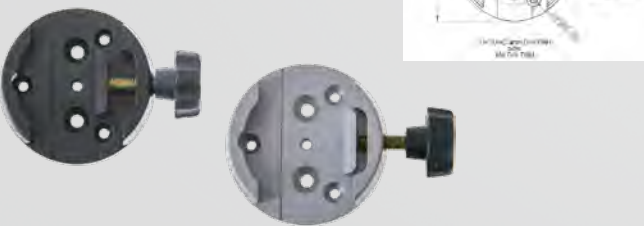
MOUNTED ON PRISM CLAMPS


240 g / 0.5 lb

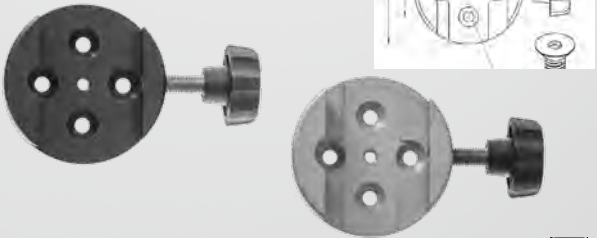

322606

PRISM CLAMPS

WITH PRESSURE SHOE



WITHOUT PRESSURE SHOE



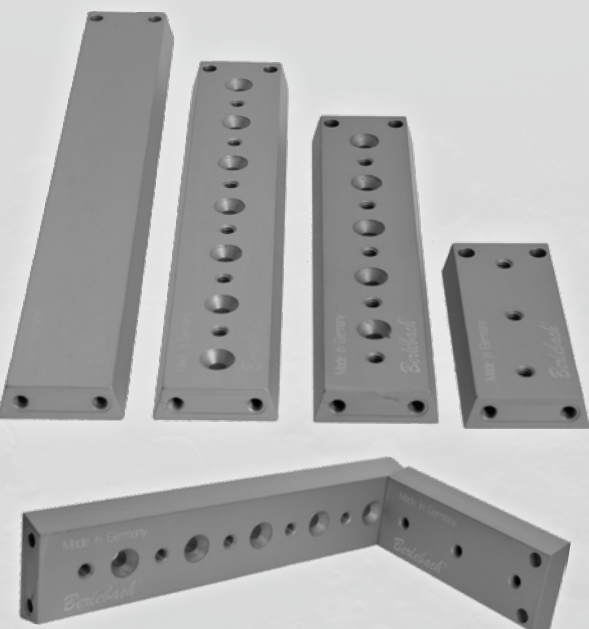
The distance of the bore is 35 mm / 1.4 inch.
 This dovetail clamp is used for receiving the dovetail plates by Celestron, Synta, Vixen and GRII/III and other.
 The prism clamp without pressure shoe is recommended for prism rails with an angle of 60-75°. The version with Ø 20.5 mm hole can be used to mount a counterbalance bar or a 2nd lens.
 Also available in black.

	#	#	
	nature	black	
without pressure shoe	500609	500609SZ	145 g / 0.3 lb
with pressure shoe	500610	500610SZ	190 g / 0.4 lb

PRISM PLATES

The dovetail plates have 1/4" threaded holes for counter-sunk screws at an interval of 35 mm and through-holes for countersunk screws M6 or 1/4" at an interval of 35 mm / 1.4 inch.

All prism plates can also be screwed together to an L-bracket. Other dimensions possible upon customer request. Dovetail clamps and dovetail plates are also available in black.



	100 mm / 3.9 inch	200 mm / 7.9 inch	250 mm / 9.8 inch	300 mm / 11.8 inch
# with Midholes	5006074	500607	500606	5006072
# without Midholes	5006074/1	500607/1	500606/1	5006072/1

ASTRO MOUNTINGS

AZIMUTHAL MOUNTS SPICA AND CASTOR

Spica and Castor are small and lightweight azimuthal travel mounts for mounting binoculars, spotting scopes, telescopes and cameras. Friction adjustment is possible with handy screws for both axes.

The vertical axis is made of stainless steel and stored in bronze bushes. On the 2nd side, a counterbalance bar, a 2nd prism clamp or a quick release for cameras/spotting scopes can be attached. We ask you to indicate this when ordering! The threaded connection is 3/8". The diameter of the tripod connection is 60 mm. For other thread sizes, the thread adapter (see p. 25) is used.

The Spica omega head mount is particularly suitable for large binoculars, double refractors, refractor telescopes as well as photo and video equipment with large focal lengths.

By using counterweights in conjunction with a variable lever arm ratio, it is possible to shift the centre of gravity with any lens along the axis of rotation and thus, enable sensitive movements in all directions. Vertical pivoting of more than 90° in both directions is easily possible. The horizontal as well as vertical axis can be adjusted via a screw in terms of friction, whereby the effect decreases with increasing load and the operating lever resulting from the dimension of your equipment. The compact design with double-sided clamping ensures minimum vibrations and maximum stability.

Since the clamping unit of the instruments is not mounted between the fork as usual but at the top, there is enough space to mount even very large lenses, e.g. for binoculars.

Clamping is done via a GP prism clamp or an Arca-UNIQ-C compatible quick-release coupling in dovetail format. You can choose from these two options when ordering. As with almost all other Berlebach products, the entire system has a modular design, i.e. if you already have a quick-release coupling from Berlebach, you can connect it to this mounting, just as "Omega" can be completely disassembled and the Spica can be used as a small travel mounting with only one prism clamp and counterbalance bar.

The tripod is connected via a standard 3/8" photographic thread, which allows mounting on almost any photographic tripod.

A tripod with a centre column, preferably with a geared column is required for easy and safe height adjustment, so that this mounting can be used optimally and the counterweights have sufficient space for swivelling.

By using an extra short star grip for vertical clamping (optional) the centre of gravity can be lowered by another 2 cm. This makes it possible to reduce counterweights with the same centre of gravity.



with counterbalance bar



Spica with prism clamp on both sides



Spica as Omega head

also available with
extra short star grip
for particularly low
centre of gravity

CASTOR II



Spica 990 g/ 2.2 lb 107 mm/ 4 in 135 mm/ 5.3 in single sided till 3 kg two-sided up to 6 kg 500718

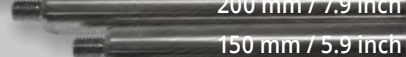
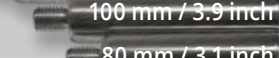
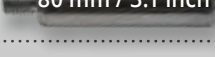
Spica Omega 3000 g/ 6.6 lb 260 mm/ 10 in 355 mm/ 14 in 20 kg/ 44 lb

Castor II 1300 g/ 2.8 lb 120 mm/ 4.7 in 175 mm/ 6.9 in single sided till 3 kg two-sided up to 6 kg

DIVERSE ADAPTERS

COUNTERBALANCE BARS

The counterbalance bars are made of stainless steel and have a diameter of 20 mm / 0.8 inch. The threaded connection is M10. The bars are available in 4 lengths: 100, 150, 120, and 250 mm / 3.1, 3.9, 4.7 and 9.8 inch. Please specify the desired length when ordering. Also special lengths are available.

	250 mm / 9.8 inch	500608
	200 mm / 7.9 inch	5006085
	150 mm / 5.9 inch	5006084
	120 mm / 4.7 inch	5006081
	100 mm / 3.9 inch	5006074
	80 mm / 3.1 inch	5006082

SUPPORT WITH INTEGRATED PRISM CLAMP

Prism clamp for direct assembly onto a 20 mm / 0.8 inch counterbalance bar. The prism clamp is the same as the one with Item no. 500609, but with integrated support flange.

	48 mm / 1.9 in	70 mm / 2.8 lb
	220 g / 0.5 lb	240 g / 0.52 lb
	500661	500660
	500661DS	500660DS

(DS -with pressure shoe)



SUPPORT FOR PRISM CLAMP

The dovetail clamp for a shaft diameter of 20 mm / 0.8 inch can be put on the counterbalance bar of a mounting. The distance of the fastening screws is 35 mm / 1.4 inch. It is suitable for dovetail clamps and other accessories.

	50 mm / 2 in	50 mm / 2 in
	160 g / 0.35 lb	180 g / 0.4 in
	500662	500658



PHOTO ADAPTER

With this adapter, you can use your astro tripod also for photo equipment, with 1/4" or 3/8" thread, according to your request. Please specify for which mounting.

	520 g / 1.1 lb
	11178



ADAPTER GP TO PORTA

This adapter serves for connecting a Porta mounting to a GP (Vixen) tripod.

	120 g / 0.25 lb
	500616



THREAD ADAPTER FÜR SPICA GP/VIXEN

This adapter serves to connect a Castor mounting to tripods for Vixen/GP. The diameter is 60 mm / 2.4 inch and the thread is M10.

	190 g / 0.4 lb
	500617



TAL KLEVTSOV 2" OAZ-RINGADAPTER

The astro adapter for TAL MT-S3 has a pin diameter of 60 mm / 2.4 inch and a height of 20 mm / 0.8 inch. The centred threaded hole is M10. Additionally, there are 3 threaded holes with M6 thread (screws are enclosed) in the outer ring Ø 78 mm shifted by 120°.

	120 g / 0.25 lb
	500752



2" VISUAL BACK

This adapter serves for supporting 2" accessories at telescopes such as Mak or SC

	140 g / 0.3 lb
	500630



100% METALFREE

9023/3

2022MF



2022HL

- mounting head made of laminated wood
- centre column made of wood Ø 25 mm/ 1"
- metal parts limited to a minimum
- tripod leg stop position at approx. 26°
- foot end with plastic cap
- fastening screw as requested

UNI 19 EMV



- robust EMC tripod with UNI profile
- mounting head made of 50 mm laminated wood
- centre column made of plastic Ø 40 mm/ 15.7" - also made of GFK as requested
- metal parts limited to a minimum
- fastening thread as requested
- foot tips with rubber caps/ spikes

Photo tripod Report 823
with centre column of plastic
or wood



cm/ in



cm/ in



cm/ in



kg/ lb



kg/ lb



#

2022HL	82/ 32	75/ 30	177/ 70	10/ 22	3/ 6.6	12021HL
2022MF	82/ 32	75/ 30	175/ 69	4/ 8.8	2.5/ 5.5	12021MF
9023/3	75/ 3	69/ 27	198/ 78	8/ 17.6	2.6/ 5.7	220223
823 KS	68/ 27	53/ 20	182/ 71.7	10/ 22	2.6/ 5.7	22021/1
UNI 19 EMV	92/ 36	85/ 33	200/ 79	20/ 44	6/ 13.2	11092EMV



OTHER EMC ACCESSORIES

such as various antenna holders, floor stays, tripod trolleys or metal-free ball heads can be found in the category EMC on our home-page www.berlebach.de.



WOOD CROSS-SECTIONS IN COMPARISON

REPORT TRIPODS

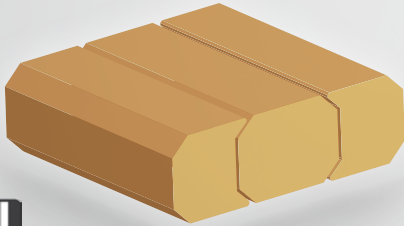
SINGLE-STAGE EXTENSION

MEDIUM-SIZED WOOD CROSS-SECTION

VERY GOOD VIBRATION DAMPING

AREA OF APPLICATION:

- Working with focal lengths up to 300 mm
- Intended for astronomy (up to 20 Kg)



REPORT TRIPODS

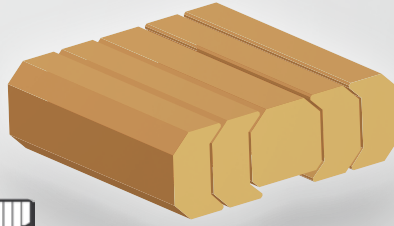
TWO-STAGE EXTENSION

SMALL WOOD CROSS-SECTION GOOD

VIBRATION DAMPING

AREA OF APPLICATION:

- These tripods are especially for those, who considers a small packing size important.



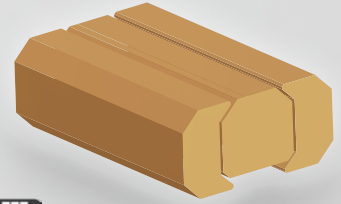
MINI TRIPODS

SMALL WOOD CROSS-SECTION

GOOD VIBRATION DAMPING

AREA OF APPLICATION:

- Working in the macro range
- Also suitable for travel



UNI TRIPODS

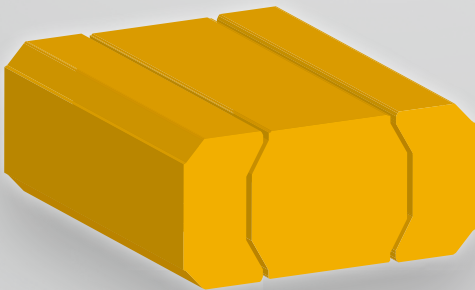
SINGLE STAGE EXTENSION

LARGE WOOD CROSS-SECTION

VERY GOOD VIBRATION DAMPING

AREA OF APPLICATION:

- Working with large focal lengths above 300 mm
- Among others, also in the field of astronomy



UNI TRIPODS

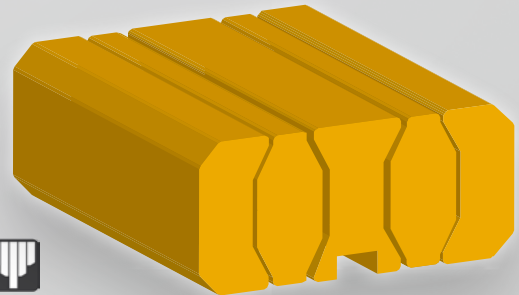
TWO-STAGE EXTENSION

LARGE WOOD CROSS-SECTION

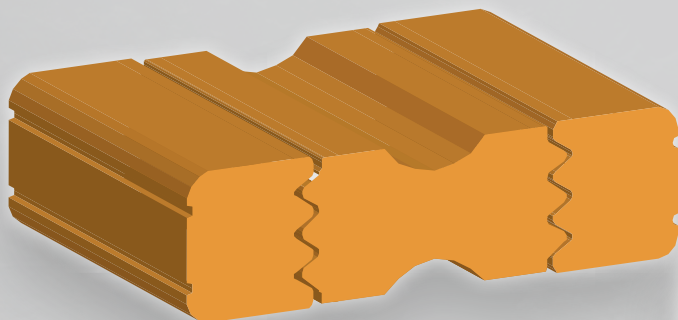
GOOD VIBRATION DAMPING

AREA OF APPLICATION:

- These tripods are especially designed for those, who consider a small packing size important.
- We recommend the simple tripod leg extension.



PLANET TRIPODS



VERY LARGE WOOD CROSS-SECTION

EXTREMELY GOOD VIBRATION DAMPING

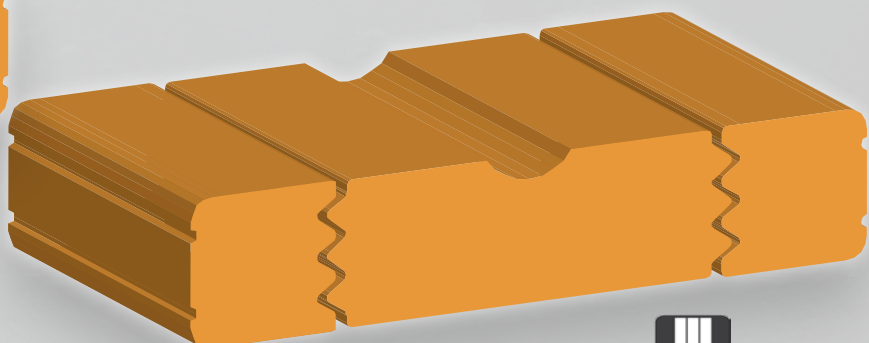
Application especially in the field of astronomy

GRAVITON

EXTREMELY LARGE WOOD CROSS-SECTION

PERFECT VIBRATION DAMPING

Application in the demanding field of astronomy

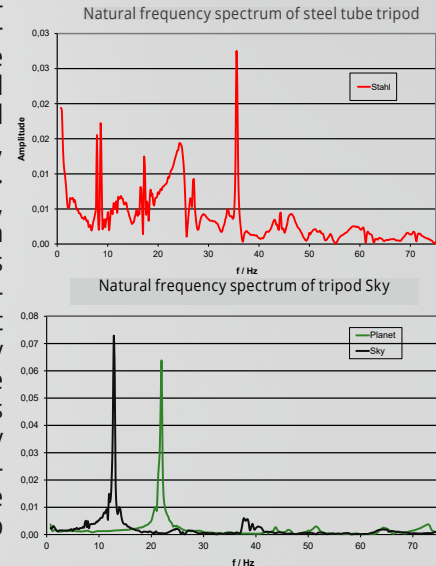


Berlebach® engaged the Dresden University of Technology to inspect the vibration damping of our tripods.

Several former comparisons and tests have proven the advantage of wooden tripods again and again. This test series is concerned in particular with the suitability of different materials in the astronomical sector and with the possibility of further optimising tripods. 5 different tripods had been tested (2 x wood, 1 x wood/carbon fibre, 1 x aluminium, 1 x steel tube). In doing so, for the steel and aluminium tripods, original tripods of common mountings had been used, the wooden tripods originate from the company Berlebach® Stativtechnik W. Fleischer from Mulda. All tripods have approximately the same useful height. The aim of the test was to determine the damping parameters, and in particular the damping constant delta and the natural frequency of the tripods. As a result of the

determination of the respective natural frequencies, it can be seen that for the tripods "Planet" (wood) and "Sky" (wood/CFK), the decay is influenced by only one natural frequency, for the "UNI 18", it is a closely spaced frequency pair, and for the metal tripods at least 3 natural frequencies which influence the decay. In the diagrams, the natural frequencies can be identified by distinctive peaks. These natural frequencies also provide information, how prone a tripod is to resonance. The more natural frequencies exist, the greater is also the danger of an occurring resonance, which renders impossible an observation due to a resonance of the entire system. It must also be considered with which frequency (rotational speed) the motors at the mounting run. If these frequencies and the ones of the tripod are nearly identical, then it is unavoidable to exchange the tripod. Furthermore, the system is more prone to "building up

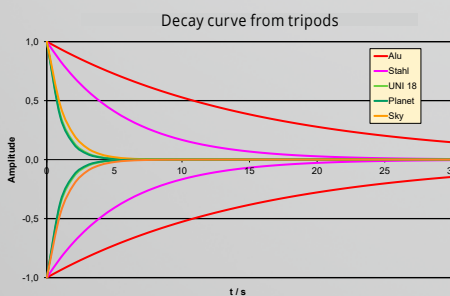
vibrations" at certain wind speeds. Besides, the occurrence of multiple natural frequencies (greater modal density) contributes to a longer decay time of the tripods. This is very obvious in the diagrams of the decay curves.



Decay curve

The diagram below shows that wooden tripods can absorb vibrations significantly better than other materials. The faster the amplitude is approaching zero, the faster the tripod stands still again. The relatively long periods of time are due to the large excitation energy of 120 N. In practice, they are correspondingly shorter, depending on the degree of ex-

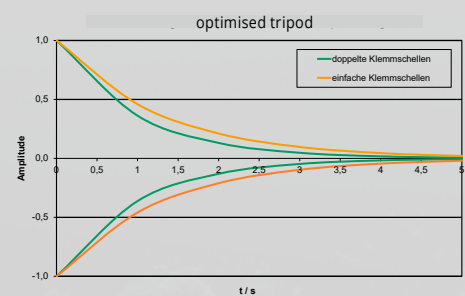
citation. For the wooden tripods, the decay constants as a measure of damping are at least 4 times larger than those of the inspected metal tripods. This results in a decay of the vibrations that is 4 times faster. The steeper curve of the wooden tripod shows also that after just 1 second, the intensity of the vibrations is already decreased by approx. 65 %, whereas the curves of the metal tripods are only decreased by approx 10 %.



Optimising the tripod

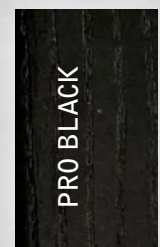
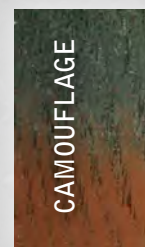
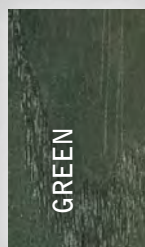
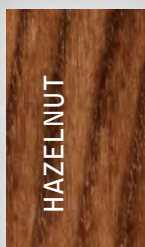
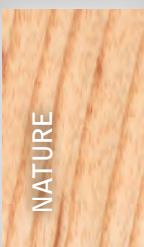
In order to improve the safety and stability, sometimes double clamps are attached to the tripod. The diagram on the right shows that an improvement of the damping properties is also achieved by the use of double clamps. Since in case of a clamping

with several pressure points, a longer parallel pressing of the segments and thus also a considerably more stable connection is achieved, a vibration within the connection is only possible to a very limited degree here. Even though the improvement is only visible in a small area, it could still result in a perceptible quality increase at very large focal lengths.



Colour samples

Our tripods are offered in 6 standard colour. Please specify the colour when ordering. Other colours are possible, too. (Please ask for delivery)



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Berlebach®

Made in Germany



Smart foxes work with tripods by Berlebach!

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